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VICK'S

Garden
and Floral
Guide

1911

James Vick's Sons
Rochester, N. Y.

Collections of Vegetable and Flower Seeds

TO ALL CUSTOMERS who want Selected Collections of the standard varieties of Vegetable Seeds for a family garden we can recommend our Quality Collections of Beans and Corn. These are the very best varieties for the purpose, giving a succession of fresh vegetables from about the middle of June until frost. All the Packets are of regular size and Vick Quality in every respect.

No. 5 Collection of Vegetables

Twenty-one Choice Varieties for a medium-sized garden (regular catalogue price \$1.35) we will send all of them Postpaid for **\$1.00**

50-cent

Collection of Vegetables

Fourteen Choice Varieties for a small Family garden (regular catalogue price 80 cents) All sent Postpaid for **50 cents**

The special Collections of Flower Seeds, including Asters, Antirrhinum, Nasturtium, Pansies, Petunias, Phlox, Poppies, Sweet Peas, Verbenas, will be found on page 43.

Quality Bean Collection

Refugee Wax. True Bush Lima
Stringless Green-pod

One packet of each variety - - - 25 cents
One-half pint of each variety - - - 50 cents

Quality Corn Collection

Mammoth White Cory (early)
Perry's Hybrid (medium) Stowell's Evergreen (late)
One packet of each variety - - - 25 cents
One-half pint of each variety - - - 40 cents

SUGGESTIONS TO OUR CUSTOMERS

ALL MONEY MAY BE SENT AT OUR RISK AND EXPENSE, if forwarded according to directions, in either manner here stated.

When remittances are not made according to the following directions, we disclaim all responsibility:

FOUR SAFE WAYS.

A Post Office Money Order will cost as follows: Sums not exceeding \$2.50, 3 cents; over \$2.50 and not exceeding \$5.00, 5 cents; over \$5.00 and not exceeding \$10.00, 8 cents. This is the best way, and we advise our friends, when possible, to send a money order.

Express Money Order.—To be obtained at all offices of the American, United States, Adams, Pacific, National, Wells, Fargo & Co., and other Express Companies.

The Expense of forwarding money in either of the above ways we will pay, and the cost may be deducted from the amount forwarded.

Draft on New York.—A DRAFT ON NEW YORK can be obtained at any Bank, and this is sure to come safely.

Registered Letter.—When money cannot be sent by either of the first three methods, it may be sent in a Registered Letter. The cost of registering is 10 cents.

The Rochester Banks charge us 10 cents each for cashing checks, therefore add 10 cents to individual checks to cover cost of collection.

SUMS LESS THAN FIFTY CENTS may be forwarded by mail at our risk without registering, provided stamps are used.

Cash with Order.—It is necessary that each order be accompanied with the cash. We send no goods C. O. D. (collect on delivery). This rule is imperative.

Our Customers in Canada.—We do not pay duties, but pay the postage on Seeds, Bulbs, and Plants, purchased at retail catalogue prices, excepting when the price is given delivered at the Express or Railroad office here.

Free Delivery.—Unless otherwise noted in this catalogue, we will prepay the postage or express charges to any part of the United States and its possessions, and Canada, on all Vegetable and Flower Seeds, Plants, Bulbs, Shrubs, Roses and Small Fruits. **We do not prepay charges on Fruit Trees nor Ornamental Trees.**

Free by Express.—All orders weighing two pounds or over will be forwarded by Express, if possible. Our customers will oblige us very much by giving their nearest express office and the name of the Company delivering goods. **This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, or when especially noted, nor to miscellaneous articles.**

Special Notice to Our Customers. Express Companies have a special rate or discount on Seeds, Plants, Bulbs, Potatoes and Small Fruits. Refer Agent to "General Special Scale N." When packages are forwarded not prepaid, or at expense of purchaser, they are labeled with the following notice: "This package is carried on the general special seed rate which is 20% less than merchandise rates." See that your Local Agent shares you accordingly.

The Safe Arrival of Packages Guaranteed.—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in the United States and Canada. When customers fail to receive their Seeds, Bulbs or Plants in a reasonable time they should inform us, and send a copy of their order, stating the amount of money, and in what manner it was sent.

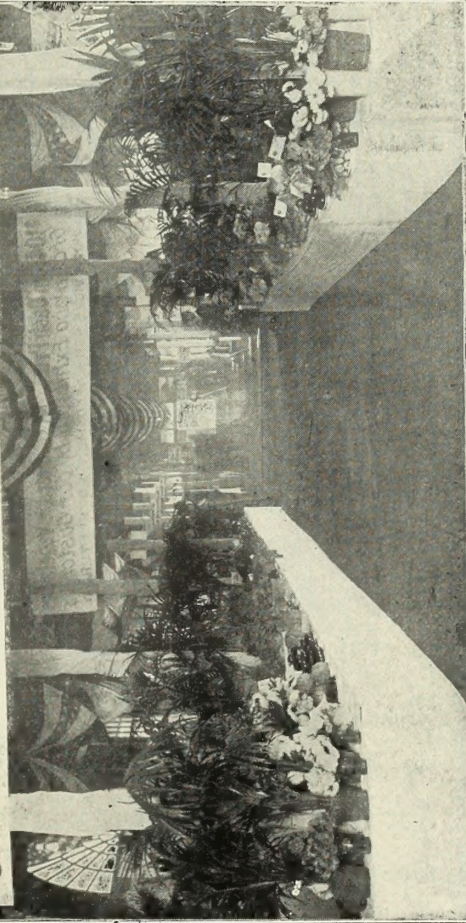
Whenever writing in reference to a previous order, *be sure and mention the post office to which the goods were to be shipped, and the post office from which the order was mailed, and sign the same name as in the first order.*

Shipping Plants.—All orders for plants will be held until about April 1st. If wanted for winter flowering or immediate use, state the fact, and they will be shipped accordingly, though in case of severe cold storms we may hold for a few days.

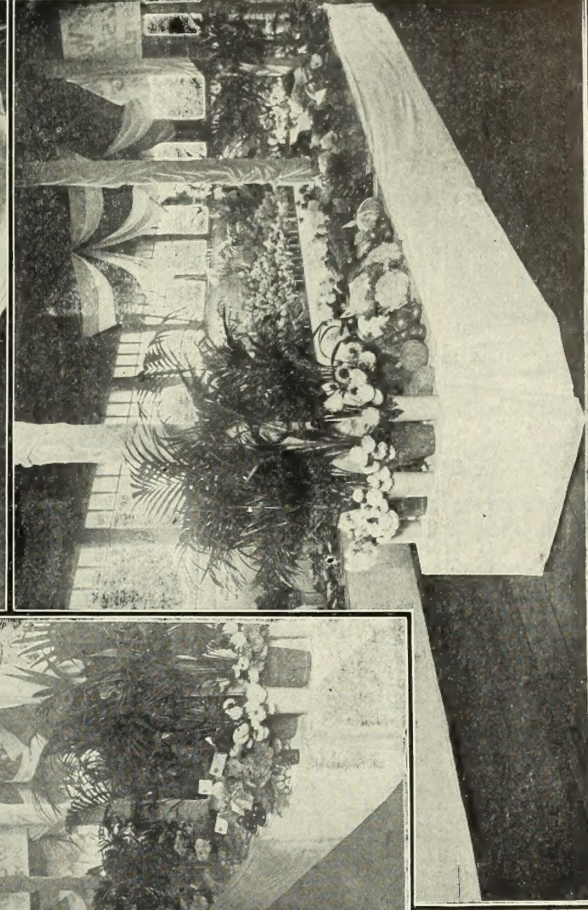
Prices Remain the Same Although many varieties of Vegetable and Flower Seeds cost us more this year than last, we have not increased the price to our customers nor reduced the size of our packets. As in years past, it is our plan to give you **More for your Money**

THESE ILLUSTRATIONS show in a very modest way the magnificent display of Vegetables and Asters made by our customers at the New York State Fair, in September of last year. The entire exhibition was entered in competition for the \$1040 Premiums offered to users of Vick Quality Seeds; this competition was open to all, no entrance fee was required, and no difficult conditions were named. Every user of Vick's Seeds had an equal chance

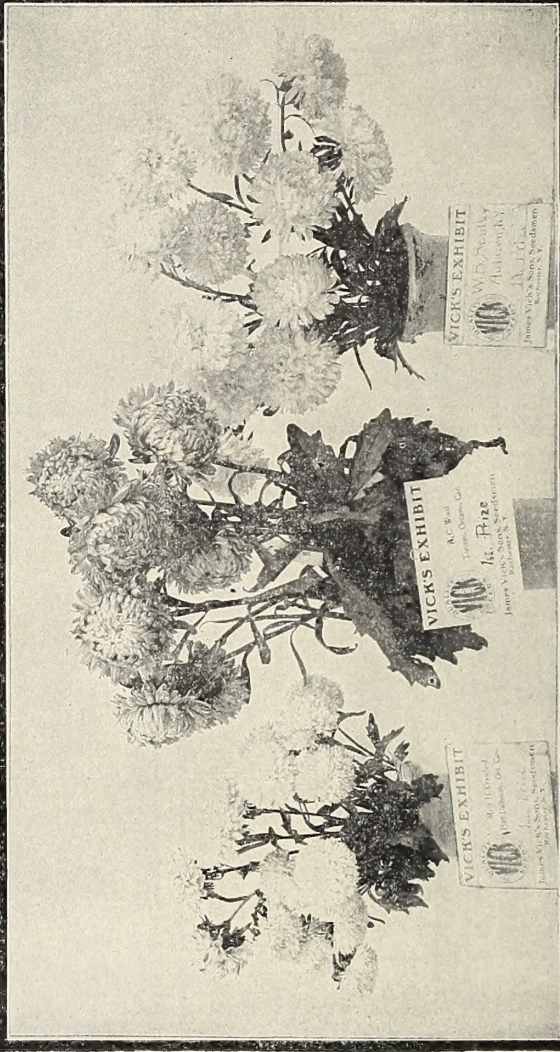
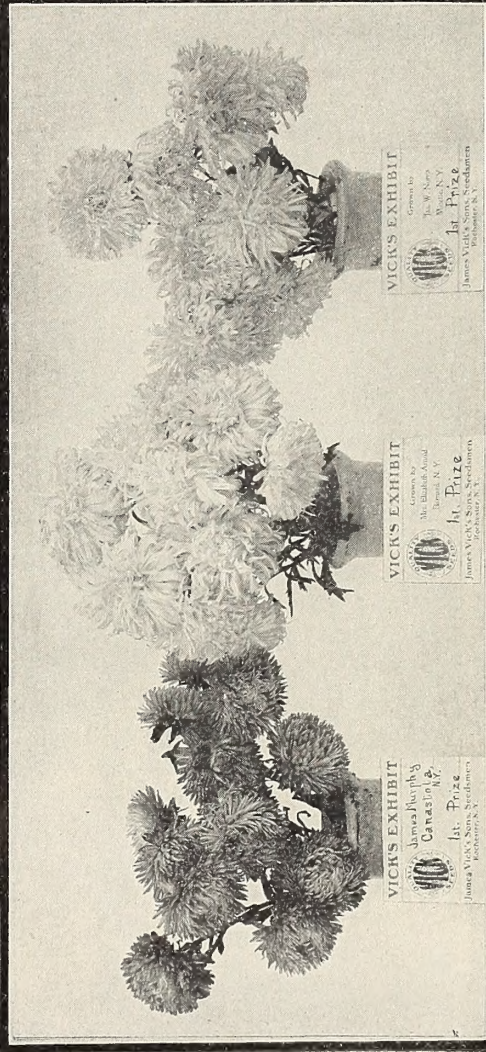
\$1040 In Cash Prizes ^{For these Flowers and Vegetables}
Grown and Exhibited by our Customers
JAMES VICK'S SONS, SEEDSMEN, ROCHESTER, N. Y.



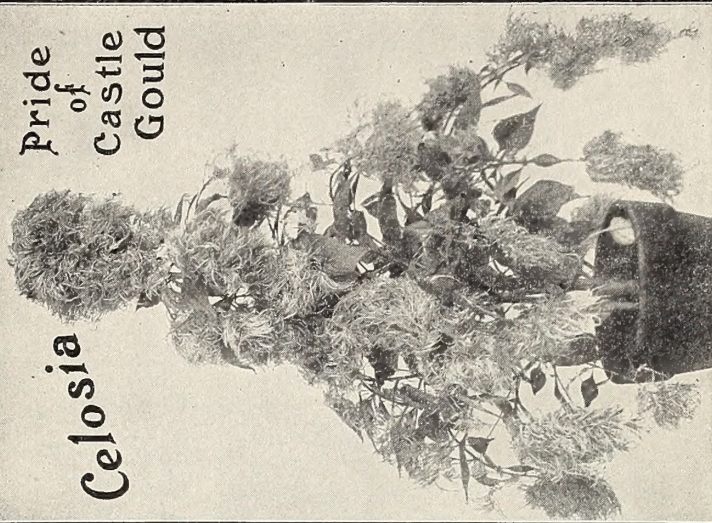
WE again offer premiums for Vegetables and Asters grown from Vick Quality Seeds in 1911. For list of varieties, amount of premiums, and other information see page 2 of this Catalog



THE ILLUSTRATIONS below show the first premium Asters in our contest at Syracuse. The varieties are Vick's Violet King, Vick's Mikado White, Vick's "Rochester," Vick's Daybreak, Vick's Early Branching Rose, Vick's Early Upright White. Full descriptions will be found on pages 45 to 50.



Celosia of Castle Gould



The New Ostrich Plume Celosia PRIDE OF CASTLE GOULD.

An entirely distinct type of the Celosia Pyramidalis Plumosa, and surpasses anything thus far placed on the market. Pyramidal compact growth of from two to three feet, with immense extra fine feathered heads, gives the plant a most striking and unique appearance. The following distinct colors are among these Hybrids: Blood-red, Real Carmine, Golden Yellow, Salmon, Deep Scarlet, Dark Orange and Wine Red; however, by variation there will be found many more shades, the self-coloring will be surprising. As a pot plant, with a quick growing habit, we believe there is no finer plant known. For bedding it is not surpassed by any other annual. Packet, 50 cts.

Vick's Premiums for Vegetables and Asters

NEVER before in the history of the New York State Fair (or any other similar exposition) has any firm conducted such a great display as that made last September by our customers in competition for the \$1040 in premiums offered by James Vick's Sons—\$840 for eight varieties of vegetables and \$200 for six varieties of Asters. The entries in the contest began to come in early in the year—they came from almost every state in the union, from the Provinces of Canada, and one good friend from Nova Scotia sent on an entry blank. Of course New York State sent more entries than any of her sisters, but we expected our own State would support us loyally.

A thousand square feet of table space was erected in a special building connected with Horticultural Hall, and here the exhibits were arranged by our own men. Some idea of the size of the display may be gleaned from the engravings shown on the frontispiece, and from the fact that five men worked almost day and night for three days, (Saturday, Sunday and Monday) arranging the vegetables and flowers—and Tuesday brought more.

Messrs. Willam C. Hewson and John Hall were appointed by the State Fair Commission to judge

the flowers, and Professor Charles E. Hunn, of the Agricultural Experiment Station, at Ithaca, N. Y., was appointed to judge the vegetables.

You ought to have seen the Asters—great fluffy blooms of "Rochester", the symmetrical flowers of Violet King and Upright White, the soft pink of Daybreak, and brilliant Branching Rose. The stems of one lot of Violet King Aster were quite twenty-four inches long and almost an inch in circumference.

The vegetables also came in for a share of the honors. Earliana Tomato again proved its superiority over all other varieties. The Golden Nugget Corn "looked good enough to eat" as it was piled on the plates for exhibition. Vick's Ideal Cauliflower attracted the marketmen on account of its snowy whiteness and size—just right to find a ready sale. Vick's Irondequoit Muskmelon created a sensation—hundreds of visitors had never seen anything like these melons and almost everybody wanted to try one. The Ailsa Craig Onion, Carmen Seedling Potato, Short-stemmed Danish Ballhead Cabbage, and Golden Self-blanching Celery all came in for a goodly amount of comment and praise.

The Names of the Winners of Premiums in both the Vegetable and the Aster Classes follow:

Vick Quality Asters

Vick's Violet King

- 1st—James Murphy, Canastota, N. Y.
- 2nd—C. Mortimer Bezzo, Berlin, Ont.
- 3rd—A. C. Wood, Toronto, Ont.
- 4th—Mrs. W. D. Bartlett, London, Ont.

Vick's Mikado White

- 1st—Mrs. Elizabeth Arnold, Barnard, N. Y.
- 2nd—Mrs. W. D. Bartlett, London, Ont.
- 3rd—W. B. Bradley, Auburn, N. Y.
- 4th—Norman Petrie, La Fargeville, N. Y.

Vick's Mikado Pink "Rochester"

- 1st—James Norris, Minetto, N. Y.
- 2nd—W. D. Bradley, Auburn, N. Y.
- 3rd—A. C. Wood, Toronto, Ont.
- 4th—Mrs. Horace Plumb, N. Bangor, N. Y.

Vick's Early Upright White

- 1st—W. B. Bradley, Auburn, N. Y.
- 2nd—Mrs. Horace Plumb, N. Bangor, N. Y.
- 3rd—Mrs. A. Hughes, Syracuse, N. Y.
- 4th—Harry E. Nicholoy, Newark, N. Y.

Early Branching Rose

- 1st—A. C. Wood, Toronto, Ont.
- 2nd—W. B. Bradley, Auburn, N. Y.
- 3rd—R. C. H. Fowler, Auburn, N. Y.
- 4th—E. S. Corwin, Phelps, N. Y.

Vick's Daybreak

- 1st—Miss Mary Crawford,
Port Dalhousie, Ont.
- 2nd—Mrs. W. D. Bartlett, London, Ont.
- 3rd—Mrs. Clark Forster,
Halls Corners, N. Y.
- 4th—Mrs. Julia McEvoy, Penn Yan, N. Y.

Grand Premium Collections

- 1st—Mrs. W. D. Bartlett, London, Ont.
- 2nd—James Norris, Minetto, N. Y.
- 3rd—W. B. Bradley, Auburn, N. Y.
- 4th—Mrs. Charlotte Smolsey,
N. Syracuse, N. Y.
- 5th—Mrs. Grace A. McCulloch,
Cicero, N. Y.

Vick Quality Vegetables

Vick's Golden Nugget Sweet Corn

- 1st—T. Rucker, Waterloo, Iowa.
- 2nd—Henry R. Mollett, Marathon, N. Y.
- 3rd—O. B. Ingraham, Adirondack, N. Y.
- 4th—Frank Foulles, Cohocton, N. Y.
- 5th—Chas. Robinson, Marblehead, Mass.

Vick's Ideal Cauliflower

- 1st—Abel Steele, Ferguson, Ont.
- 2nd—F. G. Vogelsang, Fulton, N. Y.
- 3rd—Mrs. Wallace Wood, Groton, N. Y.
- 4th—H. Hall, Yorkville, N. Y.
- 5th—Jas. Murphy, Canastota, N. Y.

Earliana Tomatoes

- 1st—F. G. Vogelsang, Fulton, N. Y.
- 2nd—Henry Mollett, Marathon, N. Y.
- 3rd—Frank Foulles, Cohocton, N. Y.
- 4th—Mrs. Grace A. McCulloch,
Cicero, N. Y.
- 5th—E. Van Allen, Delmar, N. Y.

Carmen Seedling Potatoes

- 1st—S. Dermont Murphy, Clockville, N. Y.
- 2nd—Jas. Murphy, Canastota, N. Y.
- 3rd—Frank Wood, Newberg, Oregon.
- 4th—Orange B. Ingraham,
Adirondack, N. Y.
- 5th—G. D. Elmes, Adams Basin, N. Y.

Short-Stemmed Danish Ballhead Cabbage

- 1st—W. S. Paulson, Meadville, Pa.
- 2nd—George W. Townsend, Palmyra, N. Y.
- 3rd—Mrs. Amy Rolfe, Kirkville, N. Y.
- 4th—Jos. Ward, Eau Claire, Wis.
- 5th—Mrs. Esther Buethner, Shawano, Wis.

Paris Golden Dwarf Self-Blanching Celery

- 1st—N. J. Gould, Albion, N. Y.
- 2nd—James E. Cole, Fulton, N. Y.
- 3rd—H. W. Smolsey, N. Syracuse, N. Y.
- 4th—LeRoy Ordway, Canistota, N. Y.
- 5th—James Murphy, Canastota, N. Y.

To all who assisted in making this exhibit such a great success, we offer our sincere thanks. We wish everyone who entered the contest could have had a premium of some kind; of course we could not make such an offer, but we are going to do something better; we are going to give our customers another opportunity this year to secure a premium, and so we offer

\$1001 in Premiums to our Customers

We have increased the number of premiums—thus giving more people an opportunity of winning a reward for their efforts as gardeners, and widening the scope of the contest.

The List of Vegetables and Premiums for 1911

Vick's Golden Nugget Sweet Corn —Best twelve ears	-	-	-	-	-	\$40	\$25	\$15	\$10	\$5	\$2
Vick's Ideal Cauliflower —Best three heads	-	-	-	-	-	40	25	15	10	5	2
Vick's Volga Cabbage —Best three heads	-	-	-	-	-	40	25	15	10	5	2
Vick's Golden Giant Mangel Wurzel —Largest and heaviest specimen	-	-	-	-	-	40	25	15	10	5	2
Vick's Irondequoit Melon —Four Specimens	-	-	-	-	-	40	25	15	10	5	2
Vick's Strain Danvers Yellow Globe Onion —Twelve specimens	-	-	-	-	-	40	25	15	10	5	2
Vick's Late Vicktor Potato —(New) One Peck (15 pounds)	-	-	-	-	-	40	25	15	10	5	2
Vick's Strain Earliana Tomato	-	-	-	-	-	40	25	15	10	5	2

The List of Asters and Premiums for 1911

Class A—Premium for each of the Six Varieties

1st Premium, \$10

2nd Premium, \$ 6 3rd Premium, \$ 4

4th Premium, \$ 3 5th Premium, \$ 2

You may enter any one or all of the following six;

12 blooms Vick's Mikado "Rochester"

12 blooms Vick's White Hohenzollern.

12 blooms Vick's Branching Pink.

12 blooms Vick's Branching White.

12 blooms Vick's Rose King.

12 blooms Vick's Violet King.

Flowers in Class A cannot be entered in any other Class.

Grand Premium for Vick Quality Aster Collection

Twelve (12) blooms each (72 blooms in all)

12 blooms Vick's Mikado "Rochester"

12 blooms Vick's White Hohenzollern.

12 blooms Vick's Branching Pink.

12 blooms Vick's Branching White.

12 blooms Vick's Rose King.

12 blooms Vick's Violet King.

1st Premium, \$25

2nd Premium, \$20 3rd Premium, \$15

4th Premium, \$10 5th Premium, \$ 5

Flowers entered for the Grand Premium will not be Permitted to enter in any other Class.

For further information about this Premium Contest see page 44.

The Simple Rules and Conditions that Govern this Contest

Vegetables and Asters must be grown from seeds bought of James Vick's Sons this year (1911).

Exhibits must be made at the New York State Fair, Syracuse, September 11 to 16.

All vegetables and Asters must be delivered free at Fair grounds, Syracuse, N. Y., *express prepaid by the grower*.

Directions for packing, shipping, etc., will be mailed each party competing for prizes one month before the opening date of the Fair.

Any person desiring to compete for these prizes must state which of the prizes he wishes to enter for; place his or her name on the enclosed entry blank, enclosing the same with their order for seeds.

We will receive and arrange *all* exhibits. Consequently those

exhibitors who cannot attend in person may rest assured the arrangement and care of their exhibit will receive exactly the same attention as all the rest.

Premiums are to be awarded by the regular judge or judges to be appointed by the directors of the New York State Fair.

Prior to the judging, each exhibitor will be known by number. The judges will not know the exhibitor's name until after the prizes are awarded. Immediately after the awards are made the name and address of all growers will be placed over their exhibit.

Should the entry blank be lost, write name and address, and varieties you wish to enter for premiums, on a piece of paper, and enclose the same with your order for seeds.

This \$1001 Contest will be under the direction of the New York State Fair Commission and the judges will be the same men who are appointed by the State Fair Commission.

Practical Hints on Sowing Seeds and Caring for Plants

By Professor L. B. Judson, of the Agricultural Department of Cornell University

WARMTH and moisture are the leading essentials in the germination of seeds, and all directions for planting are largely designed to secure these conditions in the proper degree. Some seeds, like barley, will germinate even on cakes of ice, and others under water, but most garden seeds require genial warmth and constant but not excessive moisture to sprout vigorously.

When to sow. Wait till the ground is thoroughly warmed in the spring before sowing. Even the crops that do best when planted as soon as the ground can be worked in spring, like peas, radishes, and onions, gain little by being put in the first warm day, for the ensuing cold weather often brings them to a dead stand for a week or two at a time. Plants for early setting, such as tomatoes or cabbages must be started under glass, or at the kitchen window, from seed sown in February or March.

Depth to sow. Three times the diameter of the seed is a good general rule. Early peas, however, should be covered two inches deep, and the main season sorts four. Fine seeds are best not covered at all, but merely sown on the surface of very finely prepared soil, and pressed in. In sowing small seeds with a drill, there is always danger of burying them too deeply; lettuce, for instance, can readily be planted so deeply it will never come up. Where the soil is stiff all seeds should be covered more lightly than in light mellow soils.

Preparing the seed bed. Deep and thorough must be the preparation of the soil if speedy and uniform germination is to result. Deep plowing or spading is essential to provide a proper reservoir for moisture and abundant pasturage for the roots. After the soil is finely pulverized and leveled down with a rake or other tool the top soil will be left fine and free from lumps. Scatter fertilizers thinly and evenly over the bed just as you are finishing, and rake in. Never allow seeds to come in contact with stable manures.

Amount to sow. Seeds are often sown too thickly, making the labor of thinning very great and attended with damage to the remaining plants. Thick seeding is advised only where crowding is expressly sought, as in lawns, or where the seeds are known to be partly worthless. Stock purchased from a reliable seedman is above suspicion.

Soaking. The germination of many seeds is hastened by soaking them in water till they begin to swell, but this treatment is seldom advisable for small seeds, because they may be injured. Early planted peas often go into a soil too cold to induce prompt germination, and a previous soaking brings them up much sooner; and still more advisable is the practice if one has postponed sowing till the best season is past, and wishes to make up for lost time.

Shading. It is a great help to sprouting seeds to have the soil shaded from the sun until the plants appear above ground, especially in the case of small and delicate seeds, like celery. Sometimes boards are laid on the ground over the rows, care being taken to remove them as soon as the tender sprouts appear at the surface. A safe covering is a light mulch of lawn clippings, pine needles or other short litter, as the plants can push up into it without harm, though most of it should be raked into the space between the rows as soon as the plants are fairly up. Brush supported about six inches above the soil on a low frame also makes a good shade, and may be left till the plants are several inches high. The cabbage seed bed may be shaded, and the troublesome root maggot and other pests kept from it at the same time, by enclosing it with twelve-inch boards set on edge, and stretching cheese-cloth across the top. The cloth is left till the plants are set in the field, the shade being beneficial throughout.

Sowing under glass. Some plants, like tomatoes, egg plants, and asters, will not come to full maturity in most parts of this country unless the season is artificially lengthened, and this can most readily be done by starting the plants early under glass in the greenhouse, hothead or at the kitchen window. If the plants are grown at a window, the box should be turned end for end each day, or the plants will be drawn strongly toward the light, and become unsuitable or setting out. It is very convenient to sow the seeds in a shallow box or

"flat" four inches deep and any convenient size, from 12 x 16 to 18 x 24 inches. The box is filled with good garden loam, not over rich, and the seeds sown rather thickly in shallow drills one inch apart. Such seeds as lettuce and asters are frequently sown broadcast. If several varieties are sown in the same flat, press a small stick in the soil to show the dividing line. Cover the seeds by sifting a little soil over them, and then water thoroughly, using a sprinkler with fine rose so as not to wash out the seeds. Washing can also be effectively prevented by laying a piece of muslin over the soil and watering on top of the cloth. Leave the cloth on till the plants appear, and less watering will be required. The flats should be examined each day to see that the surface soil does not dry out. After the plants are up great care must be taken in watering not to keep the surface wet and the soil beneath dry, as this is most certain to result in an attack of "damping." The fungus producing this disease attacks the stem of the seedling near the surface of the ground, browning and shrivelling the stem till the plant lops over and finally dies. Water thoroughly, and then wait till the subsoil plainly needs more. Try to keep the subsoil in moist condition and at the same time have a thin layer of soil on the surface decidedly dry.

Damping off is not likely to be troublesome if the soil is sterilized, as may be readily done by baking it before using. Another method of sterilization which will destroy all fungi, insects, and active eel-worms, but not the eggs of the latter, consists in drenching the soil with formalin, one quart to 50 gallons of water, using one gallon to each square foot of surface.

As soon as the seedlings are large enough to handle, or begin to crowd, they must be "pricked off" or transplanted into another flat 1 x 2 inches apart, using a sharpened stick the size of a lead pencil for a dibber. The plants are commonly left to grow in this flat in a crowded condition until they are set out. Better tomato plants can be grown by potting them off from the flat when they begin to crowd, using tomato cans, berry boxes or pots. Tin cans should be thrown into the fire until the seams melt apart. The cylinder of tin is then held together with a piece of string or wire. When the plant is to be moved a flat trowel or spade is run under the can and the whole readily lifted. Cut the wire or string and the can falls away leaving the ball of earth intact. It is hard to preserve this ball if the bottom is left in the can, as the earth clings tightly to the sides, and removing will more or less disturb the roots of the plants.

Transplanting. Choose a dull day if possible for this work, but if the plants are of good size and becoming crowded, do the work anyway. The very best time for transplanting is a few hours before a good shower, as the rain settles the earth firmly about the roots, and the wetting keeps the plants from flagging. Some wait for a rain, and set out plants as soon afterwards as possible; but this is a far less favorable time than before, as the ground is either too muddy or too hard, unless reworked, and the earth is not well settled until another rain. If plants are set in hot, dry weather, they should be watered in, giving at least a pint to each plant. Where only a small number of plants are to be put out, begin operations the latter part of the afternoon, so that the plants may have the cool air of night in which to recover. Plants will flag much less if shaded a day or two by a shingle stuck on the south side, or a handful of lawn clippings placed over them. Plants from pots of course get no check, and need no protection.

It is a mistake to attempt to save all the root system of seedlings, unless handled in pots, as the roots are usually so long as to interfere with rapid planting. It is much better to clip back the roots than crowd them into a hole, to become distorted and fairly strangled by later growth. If the top is well developed, shorten it too, to balance with the roots, and the ease in handling will more than offset what slight advantage there might be from longer roots.

One must be careful not to expose the roots of the plants to the air and sun any more than necessary. Keep the plants covered with a wet gunny sack from the time they are taken from the seed bed until wanted for planting. If some time is likely to elapse between taking them up and setting them out, the roots may be further protected by dipping them in claywater.

Ornamental and Flowering Plants for Special Purposes

For Constant and Brilliant Bloom. Asters in all varieties, Sweet Alyssum, all the dwarf Cannas, Calliopsis, Eschscholtzia, scarlet Geraniums, Nasturtium, Petunia, Phlox Drummondii, Portulaca, Sweet Peas, Verbena, Double Zinnia.

Low-Growing Plants for Masses of Color. White—Sweet Alyssum, white Ageratum, white Brachycome, white Candytuft, Vick's white Phlox Drummondii, white Portulaca, white Verbena.

Blue—Ageratum Swanley Blue, blue Brachycome Heliotrope, Lobelia, blue Verbena.

Red—Carmine and Crimson Candytuft, Geranium, Phlox Drummondii brilliant scarlet, Phlox grandiflora scarlet and dwarf Fireball, Poppy, red Portulaca, Tropaeolum King of Tom Thumbs and Carter's Tom Thumb and crimson varieties if desired, red Verbena.

Yellow—Gaillardia, orange and yellow Eschscholtzia, French Marigold and especially the variety Tagetes signata pumila, Portulaca aurea vera, yellow, and Lady Bird Tropaeolum.

Plants for Window Boxes. Abutilon, Sweet Alyssum, Begonia, Fuchsia, Geranium, Grevillea robusta, Ivy Geranium, English and German Ivy, Lobelia, Maurandya, Mignonette, Petunia, Schizanthus, Thunbergia, Tropaeolum.

Dwarf Plants for Edgings and Borders. Ageratum, Sweet Alyssum, Alternanthera, dwarf Candytuft, Coleus, Double Daisies, Golden Feverfew, Little Gem Feverfew, Heliotrope, Lobelia, Mignonette, Myosotis, Pansies, Phlox Drummondii, Pinks, Veronica, Vinca, Violets.

Plants for Cemeteries. Anemone Whirlwind and Japonica, Astilbe Japonica, Achillea the Pearl, Eulalia, Hemerocallis flava, Hydrangea paniculata grandiflora, Lilies, Lily of the Valley, Day Lily or Funkia alba, Chinese Peonies, Polyantha Roses, Rose Madame Plantier, Spirea Van Houttei, Vinca minor, Hydrangea arborescens.

Fragrant Flowers. Asperula odorata, Sweet Alyssum, Candytuft, Carnation, Clematis paniculata, Honeysuckle, Heliotrope, Lily of the Valley, Lily, Mignonette, Mirabilis, Nicotiana affinis, Pansy, Sweet Peas, Pink, Rocket, Rose, Sweet William, Ten Weeks Stock, Tropaeolum, Tuberosa, Verbena, Violet, Wallflower.

Climbing Plants. Ampelopsis, Aristolochia, Adlumia cirrhosa, Bignonia radicans, Convolvulus major, Cobaea scandens, Cypress Vine, Clematis, Cardiospermum (Balloon Vine), Chinese Matrimony Vine, Chinese Yam or Cinnamon Vine, Dolichos, the Gourd family, Humulus Japonicus, Honeysuckle, Ipomoea of different varieties and especially I. Bona Nox and the Brazilian Morning Glory, English Ivy, Maurandya, Perennial Peas.

Plants for Vases and Baskets. Ageratum, Sweet Alyssum Little Gem and Carpet of Snow, Abutilon, Begonia, Canna, Cobaea, Coleus, Cuphea (Cigar plant), Dracena indivisa, Fuchsia, Grevillea robusta, Geraniums, Heliotropes, Lobelia, Lantana, Mimulus, Myosotis, Maurandya, Manettia Vine, Madeira Vine, Nierembergia gracilis, Oxalis floribunda, Portulaca, Petunia, Schizanthus, Tropaeolum, Thunbergia, variegated forms of Vinca major, Veronica.

ASPARAGUS

As Asparagus seed germinates very slowly, it is advisable to pour hot water over it. When cool, pour off the water and treat it again with hot water. Sow seed quite early in spring, in a bed of light, rich, well-manured soil, in drills one foot apart and two inches deep. When the plants are well up, thin to about one inch apart. When the plants become withered, cut them down, and spread well-rotted stable manure two inches deep over the bed. Let the plants remain in the seedbed until they are about to grow, early in spring. The subsoil of the permanent bed should be dry, and if not so, it must be well drained. It should be dug thoroughly at least two and a half feet deep, and mixed with plenty of well rotted manure. For private garden use set the plants in rows two feet apart, and about a foot apart in the row, with crowns four inches below the surface, and spread the roots. For field culture the rows should be six feet apart and two feet apart in the rows. Before winter cover the transplanted beds with about four inches of manure, and fork it in the next spring, being careful not to injure the roots. In autumn, cut the ripe tops and burn the refuse. One pound of seed will produce plants sufficient for an acre, and one ounce of seed will sow a drill fifty feet long.

Vick's Mammoth Is without exception the largest, heaviest and best Asparagus grown.

A bunch of twelve stalks will weigh three to four pounds. In size, color, and yield, it far surpasses any other variety. The delicacy of its color notably distinguishes it from other green varieties, while its thick stalks are unusually tender and succulent and of delicious flavor. **Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., \$1.00.**

Conover's Colossal. The old standard variety; of large size, rapid growth, and of best quality. **Ounce, 5 cents; ¼ lb., 15 cents; lb., 50 cents.**

Palmetto. Of Southern origin, but equally adapted for North or South. Early, large, productive, and of excellent quality. **Packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; lb., 60 cents.**

Columbian Mammoth White. A variety, producing white stalks of large size and finest quality and flavor. **Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.**

Asparagus Roots

By purchasing plants at least a year of time is saved. The young shoots may be cut for the table the second season. A bed 8 x 27 feet, requiring 100 plants will supply an ordinary family.

Vick's Mammoth. STRONG TWO-YEAR ROOTS—100, by mail, prepaid, \$1.50. By express or freight, not prepaid, per 100, \$1.00; per 1000, \$6.00.

Conover's Colossal. STRONG TWO-YEAR ROOTS—100, by mail, prepaid, \$1.25. By express or freight, not prepaid, per 100, 75 cents; per 1000, \$5.00.

ARTICHOKE

The Globe Artichoke is cultivated for its flower heads, which are used in an undeveloped state, cooked like Asparagus. Plant seed early in spring, three inches apart, in rows one foot apart. When one year old, transplant to rows three feet apart and one foot apart in the row. Where the winters are severe protect the plants with leaves or dry litter, to keep the crowns from freezing.

Green Globe. Seed, packet, 10 cents; oz., 35 cents; lb., \$3.50.

Jerusalem. See Farm Seeds. See page 41.



BORECOLE OR KALE

BRUSSELS SPROUTS

Sow seed in early spring and treat like winter Cabbage. One ounce will produce about 5,000 plants.

Improved Dwarf. Packet, 5 cents; oz., 25 cents; lb., \$2.50.

BORECOLE OR KALE

Sow seed early in June and transplant. Culture same as for Cabbage. One ounce will sow 300 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., \$1.00.

Tall Green Curled Scotch. Finely curled; very hardy; one of the best.

Dwarf Green Curled Scotch. Dwarf, beautifully curled, and bright green; hardy, and may be cut from the ground all the early part of winter.

Dwarf Purple. Like Scotch Kale except in color, but more hardy.

Asparagus Roots

Strong two-year-old from seed give the best satisfaction, producing an earlier and more abundant crop than either one or three-year-old roots. Home grown Asparagus is superior in flavor and tenderness to that purchased at the market.

After planting, the bed will last for years.



ASPARAGUS VICK'S MAMMOTH

BROCCOLI

Sow seed early, in coldframe or hotbed. Early in April the plants may be transplanted into the open ground, about two feet apart each way; make the soil rich with fertilizer. Cultivate same as Cauliflower. One ounce will produce about 4000 plants.

Purple Cape. One of the hardiest and most popular varieties, and the most certain to form a good head; the earliest of the purple varieties. **Packet, 10 cents; oz., 35 cents; ¼ lb., \$1.00; lb., \$3.50.**

White Cape. Heads medium size, compact, of a creamy white color excellent flavor. **Packet, 10 cents; oz., 35 cents; ¼ lb., \$1.00; lb., \$3.50.**



BRUSSELS SPROUTS



BEANS



THE Dwarf Beans are earliest and most hardy, as a general rule. In garden culture Beans are usually planted about two inches deep, in rows eighteen inches apart, and three inches apart in the row; in field culture, in drills two to three feet apart, so as to cultivate with horse one way. Until blossoming season, frequent but shallow cultivation should be given. Seed of the large varieties should be planted with the eye downward. One quart of seed will be sufficient for 100 hills of Limas, and 250 to 300 hills of the other varieties, and for about 100 feet of drill. Sow one bushel per acre. For prices on larger quantities, see page 37.

Yellow or Wax-Pod Bush Beans

Brittle Wax *Early, Productive, Tender and of Extra Fine Quality*

Stringless and crisp. Pods round, a rich golden yellow, five to six inches long. In comparison with other varieties on our trial grounds, it has proved itself to be a superior sort. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Wardwell's Kidney Wax. This variety is very hardy, extremely prolific, producing a heavy crop of long, flat pods, of a delicate waxy yellow stringless and brittle. The beans are large, kidney-shaped, white, with dark markings about the eyes. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Rustless Golden Wax

A Strong grower, Positively free from rust

and of remarkable vigor. The pods are meaty and well filled, of fine quality, and stringless from first to last. With its fine quality, hardiness, productiveness, and freedom from rust, it has become a general favorite and a great improvement over Golden Wax. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Golden Wax. Pods long, broad, flat, golden-yellow, very fleshy and wax-like, stringless and brittle. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Prolific German Black Wax. An old sort but still retaining its place in the front, and in quality being exceedingly tender and crisp. In our estimation it is one of the best for the home garden. It is early and productive; pods long and round. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Davis White Wax. A white variety, desirable as a string bean; also used as a shell bean when dry. **Packet, 10 cents; ½ pint, 20 cents; pt., 30 cents; qt., 50 cents.**

Yosemite Mammoth Wax. The pods of this monster Wax Bean are often ten to fourteen inches in length, nearly all solid pulp, and absolutely stringless, cooking tender and delicious. The color of the pods is a rich golden yellow. The plants are extremely large, and should be planted twice as far apart as the ordinary Bush Beans. **Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.**

Refugee Wax

Tested on our trial grounds with many other varieties, the Refugee Wax proved itself to be one of the very best of the wax-pod sorts. The plants produce an abundance of long, round wax-like pods, perfectly stringless, tender and of the finest quality. In color, the pods are a rich, creamy white. This variety is classed among the early sorts, coming into bearing about 40 days after planting and continuing in bearing for several weeks. It is certainly one of the best beans for either the home garden or market. **Packet 10 cents; ½ pt., 20 cents; pt. 30 cents; qt., 50 cents.**

Michigan White Wax. A bean of exceptional value on account of its earliness, vigorous growth and productiveness. The seed is clear white, for cooking cannot be excelled, and for a dried bean Michigan White Wax is the leader. We have great confidence in recommending this comparatively new sort, being assured from our own trial ground results that it cannot fail to give unlimited satisfaction to those preferring a white bean. May be cooked early in the pod, or later as dried beans. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

"Sure-Crop" Stringless Wax

An absolutely stringless, rust-proof wax-pod bush bean. Pods seven to seven and a half inches long, about half an inch in diameter, and of a beautiful rich yellow color. Plant hardy, extremely prolific—in fact it bears more freely than any variety of recent introduction. Just the bean for the family garden, and on account of its size it will prove to be a ready seller on the market. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 60 cents.**



RUSTLESS GOLDEN WAX BEAN

AT PRICES

quoted in this Catalogue we deliver the goods at your door (unless otherwise stated). Most other seedsmen ask you to pay the charges.

Green-Pod Bush Beans

Stringless Green-Pod *The Best Early Stringless Green-Pod Bean in Cultivation*

The pods are absolutely stringless, full, fleshy, crisp, very tender, and of the finest flavor, remaining long in edible condition. Ready for the market two weeks earlier than Valentine, and very prolific. Too much cannot be said in favor of this most excellent Bean, which has become a general favorite among growers. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Giant Stringless Green-Pod. This is a distinct new cross-bred variety, possessing all the merits of the old favorite Round-Pod Valentine, but is more prolific; the pods are large, being five to six inches in length, and are absolutely stringless, unusually crisp, round, full, and fleshy; qualities which highly recommend it for home and market gardens. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Longfellow. A round, solid, very early, Green-Podded Bean. Good quality, being tender and crisp, also exceedingly prolific. One of the best for the home garden or market. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Extra Early Red Valentine. One of the most popular of the extra early green snap sorts. The pods are round, fleshy, and well filled with beans of excellent quality. Pkt., 10 cents; $\frac{1}{2}$ pt., 15 cents; pt., 25 cents; qt., 45 cents.

Extra Early Refugee. One of the earliest of the green-podded sorts, being about two weeks earlier than the ordinary Refugee, while possessing all the superior qualities of that variety—straight, cylindrical, tender pods, of fine flavor and handsome appearance. Excellent for pickles. It is an enormous yielder, and sure cropper. Packet, 10 cents; $\frac{1}{2}$ pt., 15 cents; pint, 25 cents; qt., 45 cents.

Bountiful. A new Green-Podded Bush variety that has come into prominence in the past few years, owing to its superior quality, earliness and productiveness. One great feature is that while it bears early, its pods remain in an edible condition for a long time. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Dwarf Horticultural. A standard New England sort. The pods are medium in length, cylindrical, curved, splashed with bright red on a yellowish ground. The beans are round and speckled. Pkt., 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cts; qt., 50 cents.

Long Yellow Six Weeks. A very early standard variety, much prized for its productiveness and excellent quality. The green pods are often eight inches long, tender and brittle. Pkt., 10 cts.; $\frac{1}{2}$ pt., 20 cts.; pt., 35 cts.; qt., 50 cts.

Dwarf Bush Lima Beans

Fordhook Bush Lima

Without doubt the best Dwarf Bush Lima

Earlier than the Pole Limas by ten days. Pods measuring from four to five inches in length, containing four to five large beans. The plants grow to a height of 20 to 30 inches; are strong and bushy, of a rich dark green color. Packet, 15 cents; $\frac{1}{2}$ pt., 25 cents; pt., 45 cents; qt., 75 cents.

True Bush Lima (Burpee's.) The bush grows from eighteen to twenty-four inches high, branching freely, bearing from 50 to 200 large pods, well filled with delicious buttery beans. Plant in rows three feet apart, and thin to twelve or eighteen inches apart in the row. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Wood's New Prolific Bush Lima. A greatly improved strain of Henderson's Bush Lima, or Dwarf Sieva Bean. Equally as early and prolific, and produces much larger pods and beans. Being about two weeks earlier than the true Limas, it is very desirable for planting for an early supply, or in latitudes where the true Limas do not succeed well. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Improved Bush Lima (Dreer's, Kumerle, or Thorburn.) Similar to above. The beans in the pod grow close together, are very thick, and of superior flavor. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

FIELD BEANS

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. $\frac{1}{2}$ pint, 20 cts.; pt., 30 cts.; qt., 50 cts. Per bushel, at expense of purchaser, \$4.50.

Red Kidney. A popular field sort, Hardy and heavy yielder. $\frac{1}{2}$ pt., 20 cts.; pt. 30 cts.; qt. 50 cts. Bushel, \$4.50. Freight or express to be paid by purchaser.

Unless otherwise noted we prepay postage or express charges on all goods listed in this catalogue.



NEW SURE-CROP
STRINGLESS WAX

See page 5.

The pods measure 7 to 7½ inches long, more than half an inch wide and nearly as thick.



TRUE BUSH LIMA BEANS

Do you know about Vick's Irondequoit Muskmelon?
See Page 22.



BRITTLE WAX BEAN

See page 5.

Pole, or Running Beans

About the middle of May plant four to six beans around poles eight to ten feet high, setting poles four feet apart each way. Thin to three plants to a pole if the soil is rich.

Old Homestead (Kentucky Wonder). Far ahead of any other green Pole Bean. Ten days earlier than any other green sort, being fit for the table by the first of August. It is enormously productive, entirely stringless. The pods, though large, cook tender, and are delicious. A most excellent snap variety. **Packet, 10 cts.; ½ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.**

Early Golden Cluster Wax. A vigorous and very productive variety; pods enormously large and long, flat, waxy yellow, tender, and of excellent quality. **Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.**

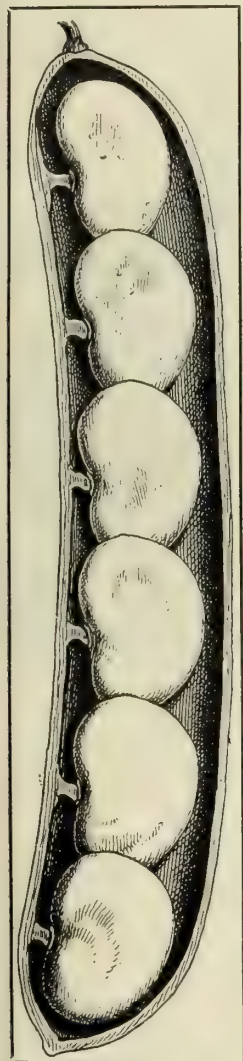
White Dutch Case-Knife. Good as a shell bean, either green or dry. One of the earliest, and very productive. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

London Horticultural, or Speckled Cranberry (Wren's Egg.) Vines moderately vigorous; pods short, broad, pale green, but becoming streaked with bright red. Popular as a shelled bean, either green or dry. Many people prefer it to the Limas. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents;**

Scarlet Runner. An old favorite; used both as string and shelled beans. Vines strong, rapid growers, often used for ornamenting porches and trellises. Flowers brilliant scarlet. Blooms from early in summer until late in fall. **Packet, 10 cents; ½ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.**

Siebert's Early Lima. The earliest true Lima. The vine is so productive that although the pods rarely contain more than four beans the yield is enormous, and is produced from the very first to the last of the season. The green shelled beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the Large White Lima. **Packet, 10 cts.; ½ pt., 20 cents; pt., 30 cents; qt., 50 cts.**

Extra Early Jersey Lima. Does not differ materially from other varieties of Lima Beans, except in earliness; in this it has the advantage of from ten days to two weeks over the Large White Lima. **Packet, 10 cts.; ½ pint, 20 cts.; pt., 30 cts.; qt., 50 cts.**



KING OF THE GARDEN LIMA

Improved Lima (Dreer's). Early and productive. Vines very stout and vigorous. The pods are much thicker than those of the other Limas and contain from four to five large, thick, white beans, of the very best quality. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

"King of the Garden" Lima. A vigorous grower, requiring but two vines to each pole. Begins flowering early, at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Pods measure from five to eight inches, and contain five, six, and seven perfectly formed beans of superior edible quality. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

Large White Lima. This old well-known sort needs no description. The green beans, most tender and delicious, are a delight to all in summer, and the dried beans in winter are excellent. **Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.**

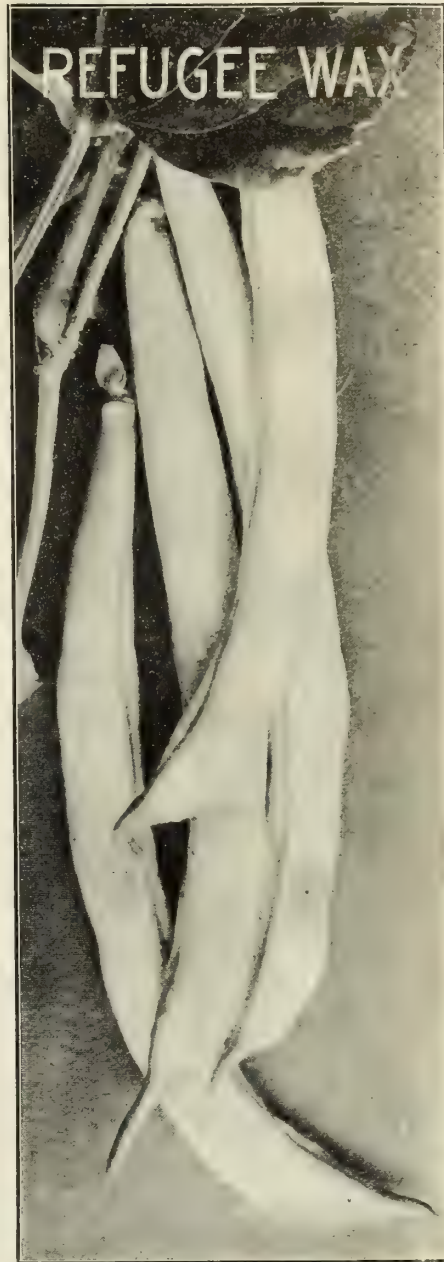
White Kidney (Royal Dwarf). An excellent shell bean for use as a green bean in succotash, and one of the best for winter use; unsurpassed for baked beans. **½ pint, 20 cents; pt., 30 cents; qt., 50 cents.** Bushel, at expense of purchaser, \$4.00.

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. **½ pint, 20 cts.; pt., 30 cts.; qt., 50 cts.** Per bushel, at expense of purchaser \$4.50.

For Beans, Corn and Peas in larger quantities (four quarts and peck) see page 37.



Vick's Golden Nugget Sweet Corn is unequalled by any Sweet Corn on the market. Large ears (seven inches long), twelve rows of plump, milky kernels, that are ready for use soon after the extra early sorts. See page 14 for description and illustrations.



Let us suggest some good Vegetables that you should have in your garden :

New Sure-Crop Wax Beans; Volga Cabbage; Ideal Cauliflower; Vick's Perfection White Spine Cucumber; Big Boston Lettuce; Vick's Irondequoit Muskmelon; Ailsa Craig Onion; Vick's Scarlet Globe Radish; Vick's Earliana Tomato. Then to crown this list of good things be sure to grow Vick's Golden Nugget Sweet Corn.



B E E T S



FOR Beets the soil should be rich, mellow, and deep. For early use, sow in a hotbed, and transplant, cutting off the outer leaves. For main crop, sow as early as the ground can be worked, in drills about one inch deep and the rows about fifteen or eighteen inches apart, dropping the seeds about two inches apart, and pressing the soil firmly over them. When the young plants are two to three inches high, thin to five or six inches. For winter use, the turnip varieties may be sown the first week in June, and in October the roots can be stored in a cellar, covering them with sand to prevent shriveling; or they may be kept in pits out of doors. One ounce to fifty feet of drill; five pounds to an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.00; except when noted.

Crosby's Egyptian.

A carefully selected

strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood-red. It is a rapid grower, attaining a usable size quicker than any other variety, and does not become woody with age. Profitable in almost any soil and extremely satisfactory for the small gardener as well as for the market.

Extra Early Egyptian Blood Turnip. A standard sort; ten to twelve days earlier than the old Blood Turnip; fine for forcing and for first early crop out of doors. Roots rich, dark crimson, with very small tap roots; flesh dark blood-red, zoned with lighter shade; crisp, sweet and a desirable and profitable Beet for the market gardener, as well as an exceptionally good variety for the home garden.

Early Eclipse. This variety is exceedingly popular, and is one of the best early sorts. The tops are small, which admits of close planting. The roots are of a globular shape. Flesh fine-grained, very sweet, crisp, and tender; dark red, zoned with a lighter shade.

I find your seeds the best I can get. Your Early Scarlet Globe Radish is far ahead of anything I ever saw.

W. B. WILSON,
Van Buren, Ark.

I think Vick's Irondequoit Muskmelon the best in the world. We raised them 27 inches in circumference and the most delicious Melon I ever ate.

MRS. WM. FLOYD,
West Chester, Pa.

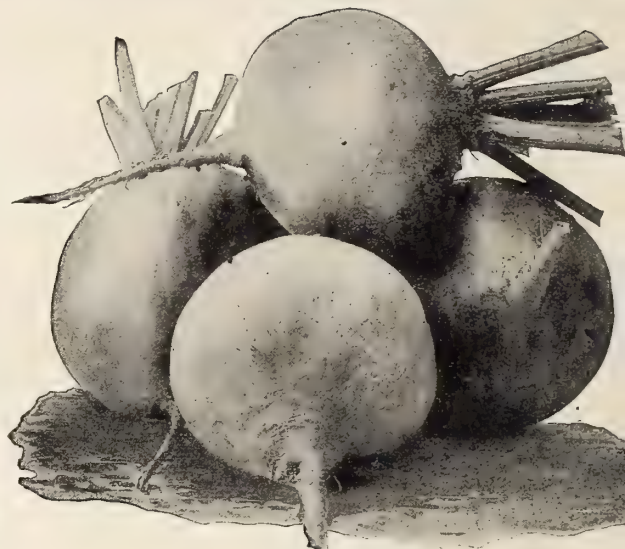


Vick's Selected Strain Earliana Tomatoes are the perfection in modern tomato culture. No time or work of mine is more pleasantly or profitably spent than in cultivating these rubies of the garden. WM. O. ISAACSON,
Jamestown, N. Y.

Your seeds are always good, just what you say they are. Have been getting your Catalogue for over 30 years and your seeds and find there is none better.

M. E. MCCONNELL,
Sheridan, Ind.

CROSBY'S
EGYPTIAN



THE ROCHESTER

The Rochester. A perfect Beet in all respects; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap-root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort but one of the best for the kitchen garden, as it is extra early. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

Arlington Favorite. A dark-leaved, early blood variety, closely following Eclipse in maturing, but of much darker color; perfectly round.

Detroit Dark Red. Roots medium in size, globular, and very smooth; skin a dark blood-red; flesh deep bright red, fine-grained, tender, and sweet, remaining so long after many sorts become woody. Tops small, admitting of close planting. On account of its fine appearance it has been said to be particularly a market gardener's variety, but Detroit Dark Red is in every way a desirable Beet for home garden planting.

Early Bassano. A good early turnip Beet, tender and juicy. Flesh white and rose. Grows to a good size. Sown late, it keeps well in winter.

Edmand's Early Blood Turnip. A market gardener's strain; regular in shape, round, with very small tap-root; flesh a deep blood-red, sweet and tender.

Bastian's Early Blood Turnip. Tops small; roots turnip-shaped; flesh tender, blood-red color. A good second early variety.

Dewing's Improved Early Blood Turnip. Turnip-shaped, smooth, tender, and good. About ten days after Bassano.

Half-Long Blood Red. An entirely distinct variety. The roots are symmetrical, somewhat pear-shaped, smooth and handsome; flesh a rich dark red, and very sweet, never becoming woody.

Long Smooth Blood Red. Tops large, with good-sized long roots, tapering, and growing even with the surface; dark red; flesh very sweet and tender, remaining so when kept till spring. A popular winter sort.

Premiums for Vegetables

To be Exhibited at Syracuse, Sept. 11 to 16, 1911

Our exhibition last year was so immensely successful that we shall offer premiums again this year, but changing the list a little. One of the varieties for which we offer premiums is

VICK'S GOLDEN GIANT MANGEL WURZEL

For the largest Specimen of this Mangel we offer \$40 with premiums ranging from \$25 down to \$5 for the next five smaller specimens. Send in your entry blank at once.

FOLIAGE BEETS—Swiss Chard

Used for Leaves and Leaf-Stalks only.

The Swiss Chard is cultivated exclusively for the leaves, which may be cooked like Spinach. Seed may be sown in April or May, in drills eighteen inches apart and an inch and a half deep. Thin the plants to ten or twelve inches apart and cultivate the same as for the common Red Beet.

Beck's Improved Sea Kale. A variety of Beet with tender leaves, popular for cooking as "greens;" if sown at the same time as the garden Beet it will be fit for greens much earlier. The middle of the leaf is cooked and served like Asparagus; the other portions are used like Spinach. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Large-Ribbed Scarlet Brazilian. Stems and veins a beautiful crimson color; fine for garnishing. Packet, 5 cents; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

Large-Ribbed Yellow Brazilian. Same as above, except in color, which is golden yellow. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Large-Ribbed Silver. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

MANGEL WURZEL For Stock Feeding

Mangel Wurzel are of especial value to the stockman and dairyman. The roots are juicy, sweet and refreshing, act as a mild laxative, keep the cattle in good health, thus tending to produce flesh and increasing the flow of milk. The owner of even one or two cows should grow a sufficient quantity of Mangels to provide fresh food in winter when green food is unobtainable. For field culture the rows should be wide enough to admit the horse cultivator, and the roots not nearer than one foot in the row. Sow five or six pounds of seed to the acre.

Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Vick's Golden Giant The Reliable Variety for the Stock-man

Very productive. Root of magnificent size, growing with half its bulk above ground, making it easy to lift and gather. Root uniform in shape, with a smooth, russet yellow skin; flesh white, firm sweet, and greatly relished by cattle. An excellent keeper.

Vick's Mammoth Long Red This is truly a mammoth, a single root often weighing twenty to thirty pounds. Enormously productive, yielding thirty to forty tons of roots per acre.

Golden Tankard. A distinct variety, particularly valuable on account of its richness in saccharine matter, and highly prized by dairymen for its milk-producing qualities. All stock will thrive on it. Deep yellow flesh and skin.

Champion Yellow, or Orange Globe. The best round Mangel. Keeps well for winter use. It is also valuable for growing in shallow soils.

Red Globe. Similar to Yellow Globe except in color, which is a light red or pink.

SUGAR BEETS

When the Sugar Beet is planted for a sugar crop, from six to eight pounds of seed will be required for an acre. Seed may be sown in drills twenty to thirty inches apart. When beets are up two or three inches high, they should be thinned out so as to stand from six to eight inches apart. Discontinue cultivation after formation of roots has commenced. Although Sugar Beets are grown principally for sugar-making and for stock-feeding, they are very desirable for table use, being more tender, sweeter, and of better flavor than any of the sorts grown for that purpose. Everyone should try them.

Klein Wanzleben Sugar. Is being cultivated in Germany almost exclusively for sugar, on account of its great yield of saccharine matter. It gives good returns in any ordinary soil. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Imperial White Sugar. One of the sweetest and best of Sugar Beets. Very productive and desirable for stock of all kinds. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.

Vilmorin's Red-Top Sugar. Matures earlier than other varieties of Sugar Beet, and yields as good percentage of sugar. A heavy cropper, largely grown for cattle feeding. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb. 60 cents.



SUGAR BEET KLEIN WANZLEBEN



**Mangel
Wurzel
Vick's
Golden
Giant**

Look up the
Premiums
offered for
this variety

We pay the postage or express charges on all goods listed in this catalogue, unless otherwise noted. Most other seedsmen ask you to pay these charges.



CABBAGE



EARLY Cabbage is a most important crop for the gardener and trucker, while each year late varieties become more valuable to the man who has a small farm, producing a maximum income with a minimum of labor and expense. Realizing the importance of providing only the best varieties, we have given special attention to our stock of Cabbage seed, and we know that no varieties listed by any seed firm are more dependable in every way than ours. Plant the large varieties three feet apart; the small, early sorts, eighteen inches to two feet; setting the plants down to the first leaf. One ounce of seed will yield about 3,500 plants. If Cabbages are troubled by insects, use Vick's Insect Exterminator—see page 93.

Selected Early Jersey Wakefield

A Leading Early Variety. Popular for the Private garden, and a Money-Maker for the Market-Man.

Our stock of this standard Cabbage is grown and selected with the greatest care, and can be relied upon both for vitality of seed and trueness to type. The heads are conical in shape, solid, and compact; the outer leaves are thick and heavy, which makes the Jersey Wakefield the best for wintering over and for very early setting. **Packet, 5 cents; oz., 25 cents; lb., \$2.50.**

Charleston, or Large Wakefield. A strain of Wakefield in which the heads are decidedly larger and not so pointed, and about a week later. **Packet, 5 cents; oz., 25 cents; lb., \$2.50.**

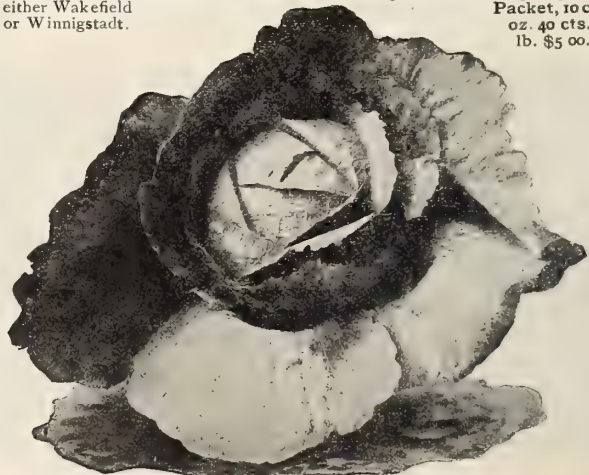
Early Winnigstadt. A distinct second early sort, and one of the best for general cultivation. Being very hardy, it is therefore less subject to wet or drouth, insects or disease. A sure-heading variety, giving entirely satisfactory crops. The heads are uniform in size, conical in shape, and very solid. It is valuable for early use, and on account of its solidity, and short, thick leaves, it makes also a good winter Cabbage. **Packet, 5 cents; oz., 20 cents; lb., \$2.00.**



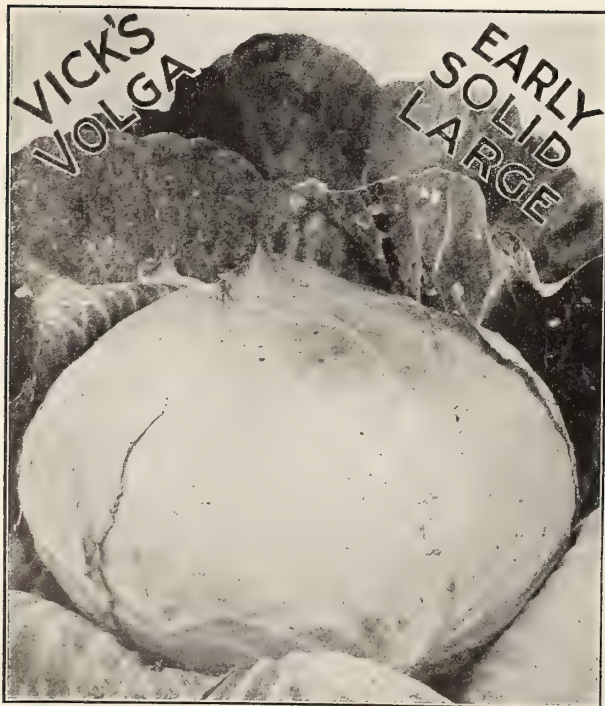
SELECTED EARLY JERSEY WAKEFIELD

20th Century *Earliest of all Cabbage. For Garden use unexcelled.*

This variety, introduced by ourselves in 1900, came to us from Denmark, the home of the famous Danish Ballhead Winter Cabbage, and is without exception the earliest Cabbage yet introduced. In the 20th Century we have the round shape like All Seasons and others, which is the preferable form. The heads are medium sized, and solid as a cannon ball. It grows more compactly than either Wakefield or Winnigstadt. **Packet, 10 cts. oz. 40 cts. lb. \$5 00.**



VICK'S 20TH CENTURY CABBAGE



Volga. We consider this the most profitable Cabbage we have ever grown for a fall crop. The heads are extremely solid, large, round as a ball, of uniform size, and do not crack; few outer leaves and a short stem. Not only have we tested it on our trial farm, and found it in all respects an exponent of Vick Quality, but multitudes of growers proclaim its superiority. **Packet, 10 cents; oz., 40 cents; 1/4 lb., \$1.10; lb., \$3.50.**



CABBAGE, IMPROVED AMERICAN SAVOY

Improved Early Summer. Matures about ten days later than the Jersey Wakefield. It is a large-heading variety, nearly round, somewhat flattened, solid and uniform in size, and will keep longer without bursting than most of the early sorts. **Packet, 5 cents; oz., 20 cents; lb., \$2.00.**

All Seasons A very superior, sure-heading, long-keeping sort, unsurpassed by any other. The heads are large, nearly round, somewhat flattened, very solid, and in quality the best. **Packet, 5 cents; oz., 25 cents; lb., \$2.50.**

Autumn King or World Beater. Grows to an enormous size, making heads as solid as a rock, and coming uniformly true to type. It can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, having few outer leaves. **Packet, 5 cents; oz., 25 cents; lb., \$2.25.**

Hollander. A selection from the Danish Ballhead. The growing of the seed in this country has changed the type to a large flat head and shorter stem. It is preferred by some on account of its size. **Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; lb., \$3.**

Selected Premium Late Flat Dutch. No introduction is necessary for this old, reliable, and popular Cabbage. It produces large, solid heads of superior quality, keeping in best condition for a long time. **Packet, 5 cents; oz., 20 cents; lb., \$2.00.**

COLLARDS

This is a variety of Cabbage largely grown in the South, where it is extensively used for both table and stock. It forms a large, loose, open head or mass of leaves. Freezing does not injure it. Sow seeds in the South from January to May, and August to September.

True Georgia. **Packet, 5 cents; oz., 10 cents; lb., \$1.00.**

For years we have talked about "Vick Quality", and have tried to make it mean "Highest Quality" in every respect. This year we know "Vick Quality Seeds" are unsurpassed - they are absolutely fresh, clean, true to name and sure to grow and give unbounded pleasure and profit to the gardener.



VICK'S SHORT-STEMMED DANISH BALLHEAD CABBAGE. 1st Premium won by W.S. Paulson. Meadville, Pa.

Vick's Improved Danish Ballhead

Heads Hard, Solid, Tender and Crisp. The Leading Late Sort

No Cabbage of late introduction has attained such great popularity, or given such general satisfaction as Vick's Improved Danish Ballhead. It commands a higher price in the market than any other variety. It is remarkable for the solidity of its heads and long-keeping qualities. The heads are of medium size, with few outer leaves, admitting of close planting; exceedingly fine-grained, hardest of all, tender, crisp, solid, with no waste heart. Will average six pounds per head. Do not be deceived by substitutes. There is only one Improved Danish Ballhead Cabbage, and this we import direct from our original grower in Denmark. **Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; lb., \$3.00.**

Vick's Short-Stemmed Early Danish Ballhead.

A choice strain selected from the famous Danish Ballhead Cabbage, that has become one of the best and most popular sorts both for home and market growing. The heads are very large; as round as balls and as solid as bullets. The interior leaves are pure white, crisp and tender. On account of their solidity, cabbages of this variety will outweigh those of any other variety of the same size. It is short-stemmed and as strong and vigorous as any other American variety. Fully two weeks earlier, and will keep and ship as well as Danish Ballhead. **Packet, 5 cents; ¼ oz., 10 cents; oz., 35 cents; ½ lb., \$1.00; lb., \$3.50.**

The Danish Ballheads are particularly adapted to the Northern States, and do not reach perfection in the warmer southern climates.

Louisville Drumhead. A variety grown largely by market gardeners in the Southwest. It stands hot weather better than most other sorts, and is a sure cropper. **Packet, 5 cents; oz., 20 cents; lb., \$2.00.**

Improved American Savoy. Decidedly the peer of all Savoy Cabbages, either for market or kitchen garden, and a reliable header. The heads are large, solid, and possess a fine delicate flavor. The curled and crimped leaves are of a dark rich green color. **Packet, 5 cents; oz., 20 cents; lb., \$2.00.**

Mammoth Rock Red. This is by far the best, largest, and most reliable heading red Cabbage ever introduced. The head is large, round, very solid, and of a deep red color. **Packet, 5 cents; oz., 20 cents; lb., \$2.00.**

OTHER STANDARD VARIETIES OF CABBAGE.

Early Blood Red.	Early Spring	Surehead
Allhead Early	Fottler's Improved Brunswick.	
Improved Succession	Large Late Drumhead.	
Packet, 5 cents; ounce, 20 cents; pound, \$2.00.		

CARROTS For the Home and Market Garden

FOR garden culture, sow in drills sixteen to eighteen inches apart covering the seed half an inch to an inch deep. For field culture, sow in drills from twenty to thirty inches apart, and when plants are one to two inches high thin out from three to eight inches apart in the rows, according to the variety. One ounce will sow 100 feet of drill; three to four pounds to an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00; except as noted.

Earliest French Forcing. The earliest of all varieties, and especially adapted for cultivation under glass, both on account of its earliness and the shortness and small size of its roots. It is also one of the best sorts for the table; delicate, fine-grained, and remarkably fine-flavored. It is also used by gardeners for bunching for early market. Root orange-red. Top very small.

Early Scarlet Horn. This is a favorite for early crop, but not large; sold extensively in all markets bunching. The tops are small; roots top-shaped, stump-rooted, therefore easily pulled. Grows well in shallow soil.

Half-long Nantes Stump-rooted. Of medium size, admirably adapted for bunching, and one of the best for summer use for the home garden. Roots about six inches long, very smooth and cylindrical, with no core; very smooth and tender.

Chantenay Stump-rooted. One of the best early Carrots in cultivation. In shape it is midway between the Half-Long Nantes Stump-Rooted and the Guerande or Oxheart varieties, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Its color is orange-red; the flesh crisp and tender. Very early and a heavy cropper. A Carrot which market gardeners should plant for their main early crop.

Guerande or Oxheart. This variety has given great satisfaction. While not attaining one-half the length of many other varieties, it will compare favorably in bulk of crop, as on good land it will produce Carrots four to six inches in diameter. The crop can be pulled by hand. Excellent for table use, as well as for stock. Truly a market gardener's favorite. It is also one of the best for summer use for the home garden. Roots are about six inches long, smooth and cylindrical; no core; sweet and tender.

Danvers Half-Long Orange. A first-class variety; flesh dark orange. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, and tender. A great favorite with market gardeners; also valuable for a field crop, owing to its productiveness. Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.10.

St. Valery Intermediate. One of the best and handsomest main-crop Carrots. The roots are symmetrical, tapering regularly from the shoulder to tip, smooth, and free from side roots. The core is small and tender. Enormously productive. Very desirable for private gardens, as well as for market.

Improved Long Orange. The old standard and popular variety. It grows to a large size, some specimens measuring twelve inches in length. Enormous crops can be grown under fair culture. One of the best varieties for feeding stock. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Improved Short White (Vosges). For a field Carrot this is unexcelled. The roots are short, very heavy at the shoulder, tapering to a point, and therefore easily harvested. Especially suited to shallow soils. Enormously productive. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.

Belgian Carrots. The great stock-feeding Carrots of Europe. Roots grow to a large size; partly above ground. Very productive. Orange Belgian, White Belgian. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.

The Farmer and the Market Gardener, as well as the man with a small home garden, will find Vick Quality Seeds reliable, true to name, and sure to produce abundantly. They are grown under the best conditions, cared for by experts, and the fields are carefully "rogued"



CARROT, CHANTENAY STUMP-ROOTED
Illustration Natural Size

CIVES OR CHIVES

These are very hardy perennial plants, belonging to the Onion family. They are grown exclusively for their tops, which are used for giving a mild onion-like flavor to soups, stews, etc. Planted in clumps in any good garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring, and can be cut throughout the season. Roots, per bunch, 25 cents, by mail, prepaid.

CORN SALAD—Fetticus

A favorite salad plant in Europe, used in winter and spring as a substitute for Lettuce. The leaves are sometimes boiled and served as Spinach. It is hardy and quick-growing. Sown in August and September, in drills one foot apart, and protected with a few leaves or straw during winter, it can be gathered very early in spring. Sown in April it is soon fit for use. The soil for Corn Salad should be very rich. Sow two ounces to 100 feet of drill. Packet, 5 cents; oz., 10 cents; lb., 60 cents.



CARROT, GUERANDE OR OXHEART



CELERY



Celery seed is slow to germinate, and when early plants are wanted it should be sown in a hotbed in February or March, barely covering the seed. When the plants are large enough, transplant into coldframes, one and a half inches apart; water and attend carefully; keep the temperature moderate; and when the weather is suitable, from middle of May till June, transplant into the open ground. For main crop, sow in shallow drills in the open ground, as soon as the soil can be worked. See that the bed is kept well watered. Rolling or pressing in the seed will give more satisfactory results than merely covering it. When the plants are two inches high, thin out to three inches apart in the rows; and when four inches high, cut off the tops to make the plants stocky. The best time to plant is that which will bring the plants to maturity during the cool, moist weather—in this locality from the middle of June to early in July. Never hoe or earth up in moist weather, nor when the plants are wet with dew, as it would cause serious injury. One ounce of seed will produce 4,000 to 5,000 plants.

Paris Golden Dwarf Self-Blanching

No Celery offered to the American people approaches this variety in quality, flavor, color or habit of growth.

Paris Golden Dwarf Self-Blanching forms a solid stalk, tender and crisp; the delicate cream-yellow color makes it attractive when offered for sale as well as inviting when on the table. The flavor is of the best—rich and nutty. In habit of growth it is dwarf, stocky, uniform in height, and very compact. This variety originated in France and our seed is grown by the originator, who ships it directly to us; it is absolutely reliable in every respect. Our special gardener's strain, packet, 10 cents; oz. 75 cents;

Rose-Ribbed Paris Self-Blanching. This magnificent sort comes to us from the originator, the grower of our market garden strain of Golden Self-Blanching, and resembles in general character that most valuable variety. The stalks are large, thick, and beautiful, tinted with rose color at the base, while the upper part of the stems, particularly the hearts, are a deep, rich yellow. Packet, 10 cents; oz., 30 cents; lb., \$3.00.

Pink Plume. The red Celeries are of very fine quality, possessing a peculiarly rich nutty flavor. This variety possesses all these good qualities, while its delicate pink color gives it a handsome appearance. Packet, 5 cts.; oz., 25 cts.; lb., \$2.50.

White Plume. A variety especially adapted to cultivation by amateurs as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. By tying up the stalks and drawing up the soil with the hoe, the work of blanching is complete; tender, crisp, and of good flavor. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

Giant Pascal. This is a selection from the Golden Self-Blanching Celery. The stalks are very large, thick, solid, and crisp. It has a fine nutty flavor, and is free from any trace of bitterness. It blanches with but slight earthing up, retains its freshness a long time after being marketed. Packet, 5 cents; oz., 20 cents; lb., \$1.75.

Improved Golden Heart. A selection from the old favorite Golden Heart Celery. Grown extensively for private use as well as for market. Improved Golden Heart is one of the finest late varieties, the outer stems being a clear white, while the heart is a rich golden yellow. The flavor is rich and nutty—so much desired by connoisseurs. You can grow just as nice Celery in your garden as any professional gardener. Packet, 5 cents; oz., 20 cents; lb., \$2.25.



CELERY, PARIS GOLDEN DWARF SELF-BLANCHING

Turnip-Rooted (Celeriac) Large Smooth Prague. An improved form of the Turnip-rooted Celery. Roots large, round and smooth, and free from side roots; a profitable variety for market gardeners. Sow seed same as Celery, transplant into rows two feet apart and about six to eight inches in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

OTHER STANDARD VARIETIES OF CELERY.

Perfection Heartwell, Giant Golden Heart,
Boston Market, Giant White Solid,

Packet, 5 cents; oz., 20 cents; lb., \$1.75.

Seeds for flavoring. Excellent. Ounce, 10 cents; lb., 40 cents.

AT PRICES quoted in this Catalogue we will prepay the Postage or Express Charges, unless otherwise noted. Most other seedsmen ask you to pay these items.

SWEET CORN

hills, three feet apart for the earliest varieties, and three and a half to four feet for the late ones. One quart will plant 200 hills; 8 to 10 quarts for an acre in hills. For a succession use Cory, Vick's Golden Nugget, Stowell's Evergreen and Country Gentleman.

Vick's Golden Nugget

*The Most Popular Sweet Corn we have ever sold.
Ripens only a few days after the White Cory.*

Vick's Golden Nugget was introduced in 1892 and was received with great enthusiasm by our customers. During all these years it has been grown side by side with many other varieties and in every case it has widened its circle of friends.

Vick's Golden Nugget produces from two to four ears to a stalk (see engraving on opposite page). The ears are large, from one and a half to two inches in diameter, and fully seven inches long. There are twelve rows of plump, tender, sweet and milky kernels.

Vick's Golden Nugget is particularly attractive when cooked, showing a rich creamy color—and it tastes just as good as it looks, far excelling any other variety in quality and flavor.

Vick's Golden Nugget is grown on our own farm, cultivated with the idea of producing the very best corn obtainable; the seed is carefully cured and you may be sure it is right. You are not absolutely sure of getting Vick's Golden Nugget Sweet Corn unless you buy it of James Vick's Sons.

Packet, 10 cents; half pint, 20 cents; pint, 30 cents; quart, 50 cents.

First Early Varieties

Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted.

Vick's Earliest of All. This is in fact the "earliest of all." Very excellent, tender, and sweet. To market gardeners this variety is of great value, as the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Also desirable for home garden.

Mammoth White Cory. An excellent sort but little later than Earliest of All. In fact our selection of seed stock and careful growing of this strain make it the largest and best extra early in our list. The stalks are large, while each stalk bears two or more large, fine-shaped ears, twelve-rowed; remarkable for its good quality for so early a sort. All gardeners who cater to the best trade should plant this variety.

Metropolitan. A favorite, considered by many as superior to other early sorts. The plant grows five to six feet in height; the ears average nine inches long, are 10 to 12 rowed, well filled out, and set low on the stalk; the kernels are exceedingly white in color. Sweet and tender.

Early Minnesota. An old and popular dwarf variety. Ears fine, of good sweet quality. Desirable for both the market and private garden.

Hiawatha A new variety of unusual merit. Early, productive and quality of unsurpassed sweetness. From five to six feet tall; ears seven to eight inches in length, and fourteen to sixteen rows of tender, juicy kernels. It is a desirable variety for either the home garden or the market gardener.

Extra Early Golden Bantam The Golden Bantam is early, very hardy and will stand planting earlier in the season than other varieties. It grows about four feet high, bearing one or two medium sized ears of a rich, golden, yellow color. When cooked is exceedingly sweet and tender. Next to Vick's Golden Nugget it is the ideal corn for the home garden. **Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 50 cents.**

Crosby's Early. Remarkably early and of best flavor. Ears medium size; twelve-rowed; sweet and thick. Largely grown for canning.



VICK'S GOLDEN NUGGET SWEET CORN—Premium Winners at the New York State Fair, Syracuse, N. Y.

Kendel's Early Giant. This variety is one of the largest early Sweet Corns. It comes in soon after the Cory. Ears eight to ten inches long, 12 to 18 rowed, filled well to the tip with broad, white, sweet kernels of excellent flavor. Stalks short, bearing one to two ears. Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents.

Medium and Second Early Varieties
Packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted

Perry's Hybrid Sugar. A very popular and a remarkably long-eared sort for one so early. Ears ready for use a few days later than Early Cory and Minnesota, but double the size of either. Ears twelve rowed; kernels large, tender, and deliciously sweet. Stalks of great vigor, about six feet high, with two perfect ears to the stalk.

Early Evergreen. This fine variety is ten to twelve days earlier than Stowell's, and though it is not quite as tall, it yields large, handsome, ten or twelve-rowed ears.

Early Mammoth. The earliest, sweetest, and largest of the mammoth sweet varieties. Probably no other Sweet Corn will yield as much fodder, and for this reason it is extensively planted, to be fed green or dry.

Potter's Excelsior (Squantum). A well-known sort, extensively grown for market and canning purposes; also used throughout New England in their famous clambakes. It is remarkably sweet, and wonderfully productive

Stowell's Evergreen. For many years this variety has stood at the head of the list of late Sweet Corn, and it bids fair to hold the position for years to come. For main late crop, for the family garden, for the market grower and canner, it is unexcelled. Stalks strong, bearing two 12-rowed ears with large, sweet kernels. Remains in good condition for some time after gathering, thus continuing the season after frosts.

Black Mexican. The ripe grain of this novel variety is black or bluish black, but when in condition for the table looks remarkably white. This is considered the sweetest and most tender of any variety of Sweet Corn.

Country Gentleman. A delicious Corn for family use. The ears are good sized and produced in great abundance. Its long, small, milky kernels are full of sweetness; the cob is small, and the corn white and tender; it is sure to please. It is somewhat later than Stowell's Evergreen.

Mammoth Late Sugar. Green ears of this variety have been exhibited weighing from two to three pounds. The sweetest and largest of all the mammoth sweet sorts. Valuable on account of its yield of stalks for fodder



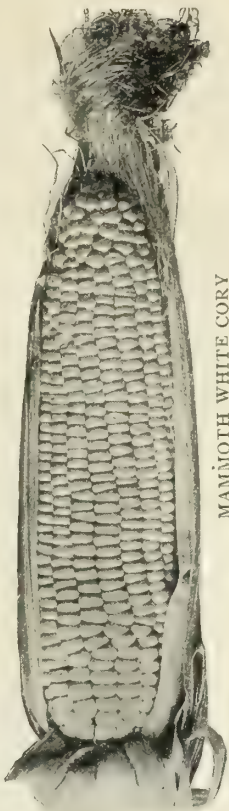
**VICK'S
GOLDEN
NUGGET
SWEET
CORN**

4
**Ears on
a Stalk**

**"What I buy of Vick
GROWS"**

*I have much pleasure
in telling you that I
am more than pleased
with Vick's Seeds.
What I like is that
I get just the amount
I buy and what I buy
grows.*

MRS. I. C. TOMAN,
Idaho.



MAMMOTH WHITE CORY

I purchased seed corn of you and had good results from it. The corn I got last year did nicely. I filled a silo 32x14 feet from four acres of corn.
J. C. BROWN, Wisconsin.



COUNTRY GENTLEMAN

FIELD CORN

A ton of well cured corn fodder is worth, if well used, the price of a ton of hay. Eight to ten quarts per acre in hills; one bushel in drills; two bushels if sown broadcast, are required per acre.

Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25; except as noted.
Peck or bushel by express or freight at expense of purchaser.
Please add cost of bags when ordering. ¼ bu., 8 cents; ½ bu., 10 cents; 1 bu., 12 cents; 2 bu., 22 cents.

Genesee Valley. A yellow, eight-rowed Flint variety, originated through the crossing of the popular Longfellow with a choice local stock. The cob is white, twelve to fifteen inches in length, and very slender. The grain is a golden yellow, large, and compactly set, covering both butt and tip. It is an exceedingly early, hardy, and productive variety, yielding on good land from eighty to 100 bushels of shelled corn per acre. It is easy to husk, and the stalks make good fodder. We make a specialty of this variety, growing and selecting it on our farm. Quart, 30 cents; peck, 60 cents; bush., \$2.00.

Early Sanford. An early white flint variety; equally valuable for ensilage or grinding. Quart, 25 cents; peck, 60 cents; bushel, \$2.00.

Vick's Early Red Glazed.

This is another Flint variety we are pleased to offer for the first time this year. In length of ear and size of cob it resembles our famous Genesee Valley Corn, but the color is like King Philip Corn, a deep red with a yellow shading on the top of the kernel. The ears are eight rowed, average ten inches long, and weigh about half a pound each. The cob is very small for a Flint corn and well filled with large solid kernels. We consider that this is a high grade Flint corn—one that will prove highly satisfactory to all who prefer red to yellow corn.

Quart, 40 cents, postpaid. Peck, 75 cents; bushel, \$2.50; express or freight not paid.

Vick's Early Wonder White Dent.

Every good farmer knows that the Dent corns are more valuable for feeding than the Flint sorts. The Dent sorts contain more protein, and therefore are more desirable for feeding stock. One difficulty has been that most varieties are too late for the extreme north, but

Vick's New "Early Wonder White" Dent

Overcomes this great objection. In 95 days from planting we have harvested an enormous crop of pure white ears that measured from seven to nine inches long. Early Wonder White Dent will grow on poorer soils than yellow corns and give a good stand of strong plants. It combines the hardness of the flint corns with the yielding qualities of the Dents, which fact makes it a profitable variety for either market or feeding purposes.

Early Wonder White Dent

Shells easily and quickly, and as the cob is filled to the tip with fourteen rows of large kernels, it provides a large quantity of shelled corn per ear. Of all the famous Dent varieties this is easily a leader. One man writes; "I have never seen a poor crop." This is the first time it has been listed in any retail catalogue; although the sales last year were nearly five thousand bushels of shelled corn. If you want a sturdy, early, productive and easily sold Dent corn you must plant Early Wonder White Dent. Quart, 40 cents, postpaid. Peck, 75 cents; bushel, \$2.50; bag of two bushels, \$4.50; freight or express not paid.

Pride of the North. A sixteen-rowed Yellow Dent variety. Ears eight to ten inches in length; cob very small and red, with grain above medium size and closely set. It produces an enormous quantity of shelled corn to the amount of cob. Stalks six to eight feet, and frequently bearing two ears. An exceedingly early and prolific variety. Quart, 30 cents, Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25.

Improved Leaming. Similar to above in every respect, but about two weeks later in maturing. A very desirable variety for fodder. Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25.

Champion White Pearl. A new, early, thoroughbred White Dent Corn. Ears average sixteen rows, with very small cob; ripens in 90 to 100 days from time of planting. Very productive, yielding fully as well as the Yellow Dent sorts. Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25.

Early Mastodon. An improved Yellow Dent, large yield, large grains, and early ripening. It has the largest number of rows on a cob, and the largest grains of any Corn ever originated; brings a high price in the market, of medium height, grows rapidly, and ripens in 100 days. From 170 to 200 bushels per acre have been produced as far north as latitude 42° 30'. Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25.

Golden Beauty. This grand Dent variety is of vigorous growth and immensely productive on rich soil. The ears are of perfect form, remarkable in size, filled to the tip with ten to fourteen rows of remarkably large bright golden grains. Cob very small for so large an ear. Ripens in from 110 to 120 days. Stalks ten to twelve feet in height, with abundant foliage. Quart, 30 cents, postage paid. Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25.

Improved Early Sheeptooth. (Fodder Corn). Earlier and better adapted for fodder and ensilage in the Northern States than the ordinary Southern Sheeptooth. The stalks are twelve to fourteen feet in height, and enormously productive. This improved sort is generally superseding all known varieties for ensilage purposes. Peck, 40 cents; bushel, \$1.25; bag of 2½ bushels, \$3.00.

Sweet Fodder. There is nothing better for green feed, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of rich milk. It is also excellent for soiling. Sow in drills, one and one-half bushels per acre; or broadcast double the quantity. Peck, 60 cents; bushel, \$2.00.

POP CORN

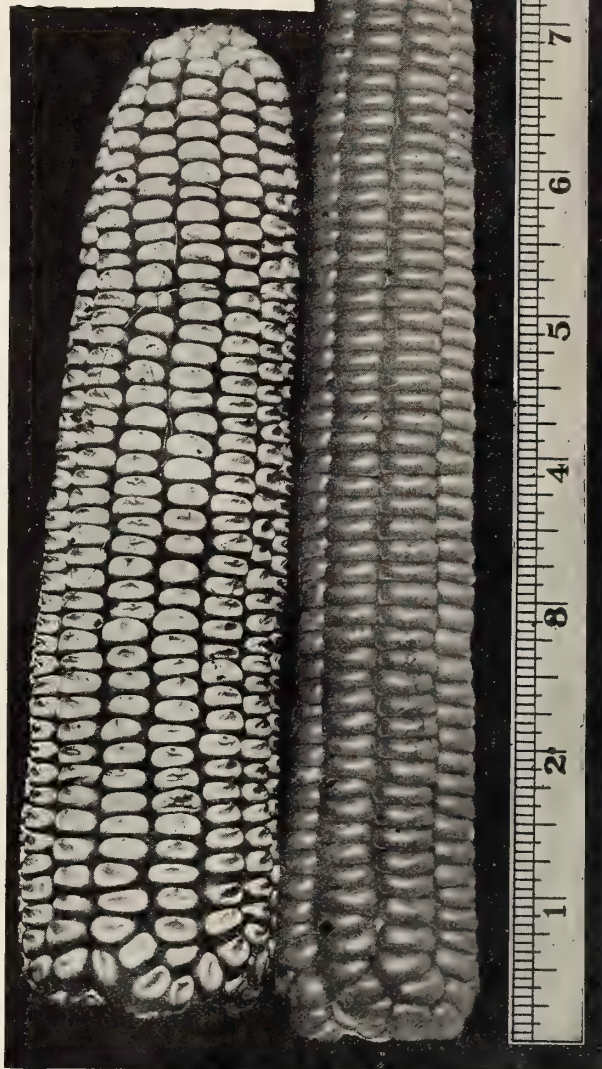
Shelled corn, packet, 10 cents; ½ pint, 15 cents; pint, 25 cents; quart, 40 cents.

White Rice. The most popular for general use.

Queen's Golden. Pops creamy white.

Silver Lace. The best white-grained variety.

This engraving shows an ear of Genesee Valley Corn and one of our Early Wonder White Dent. These are without question two of the best field corns on the market today.



CHICORY

Sow Chicory seed as early in the spring as the ground can be worked, in drills half an inch deep and fifteen inches apart, and in mellow soil. The after-culture is the same as for Carrots. In the autumn the plants will be ready for blanching, when it is used as a salad. The dried roots are used as a substitute for an adulterant of coffee. One ounce is sufficient for 100 feet of drill.

Large-Rooted Long Magdeburg. Packet, 5 cents; oz., 10 cents; lb., \$1.00.

CAULIFLOWER

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March, in a hotbed, and when plants are three or four inches high transplant four inches apart in boxes or frames. In the middle of spring, or as soon as the gardener deems it prudent, the plants can be removed to the open ground. Set plants from two to two and a half feet apart each way. For late Cauliflower sow seed in a cool, moist place, in this latitude about the first of May. One ounce will produce about 3,500 plants.

Vick's Ideal

Unquestionably the leading variety for market and private use. *For reliability of heading and size and solidity of heads,* it is superior to any other variety. It is sure to head, even under unfavorable circumstances, and will attain to enormous size under ordinary cultivation. **Packet, 30 cents; ¼ oz., \$1.75; oz., \$5.00.** These prices are *net*, from which no discount or on which no premium will be allowed.

Vick's Danish Giant "Dry Weather"

Its main feature is the fact that it will stand an unusual amount of dry or warm weather and still produce perfect, large, solid heads. In districts where heretofore it has been impossible to grow Cauliflower, this fine variety has proven a success. It is ready for market or table about a week later than Extra Early Erfurt. **Packet, 25 cents; ¼ oz., \$1.00; oz., \$3.50.**

Early Snowball. Next to our Ideal we can recommend the Snowball as one of the earliest and surest heading varieties. Its dwarf habit and short outer leaves allow it to be planted very close—eighteen to twenty inches apart. It is well adapted for forcing under glass throughout the winter and spring. It gives a pure snow-white, medium-sized head. **Packet, 15 cents; ¼ ounce, 75 cents; oz., \$2.50.**

Erfurt Earliest Dwarf. This variety will stand the test with any extra early sort. It is very dwarf in habit, producing pure white heads of great solidity and finest quality; quite desirable for forcing or for planting in open ground. For a general all-round market garden variety we can highly recommend the Erfurt strain. **Packet, 15 cents; ¼ oz., 75 cents; oz., \$2.50.**

Early Paris, or Nonpareil. This is a well-known standard French variety, producing very early, good-sized, pure white heads, which are tender and delicious. **Packet, 10 cts.; ½ oz. 40 cts.; oz., 75 cts.; ¼ lb. \$2.50.**

Veitch's Autumn Giant. A distinct and valuable late variety, producing large heads, pure white, firm, and compact; and being thoroughly protected by the foliage, remains a long time fit for use. A desirable variety for the South. **Packet, 5 cents; oz., 40 cents; ¼ lb., \$1.25.**

Large Late Algiers. One of the best late sorts, grown largely for fall use. It is a sure header, and endures uninjured a freeze that would materially affect other sorts. **Packet, 10 cents; oz., 75 cents; ¼ lb., \$2.00.**

CRESS—Peppergrass

Cress should be sown in a hotbed or in a sheltered spot in the garden, quite thick, in shallow drills, and in a short time it will be fit for cutting. It gives a pungent relish to Lettuce, and other salad plants. A fresh lot should be sown every week, as it matures very rapidly and is useful only when young.

Packet, 5 cents; oz., 10 cents; lb., 50 cents; except where noted.

Fine Curled. Superior; will bear cutting several times.

Broad-Leaved Garden. Sometimes used for soups.

Australian. Leaves delicate green; flavor mild and fine.

Water. Does well in mucky situations, but better on the edge of streams, in shallow water. It needs no after-care. **Packet, 10 cents; oz., 30 cents; lb., \$3.00.**

DANDELION

Sow as early in spring as the weather will permit, in well-enriched soil, in rows eighteen inches apart, covering the seed one-fourth of an inch deep. Thin the plants to twelve inches apart. Keep clear of weeds, and the following spring the leaves will be fit to cut. One ounce is sufficient for 100 feet of drill.

Arlington. A favorite with the Boston marketmen. Leaves very finely cut and curled. **Packet, 10 cents; oz., 50 cents.**

Improved Thick-Leaved. Leaves thicker than Arlington and not so finely curled. **Packet, 10 cents; oz., 50 cents.**

Common. **Packet, 5 cents; oz., 25 cents.**

HORSE RADISH

Horse Radish is grown from pieces of the roots. Mark off rows two and a half feet apart, in rich, moist, well prepared ground; set the pieces of roots eighteen inches apart in the rows, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep the weeds down.

Roots, 3 for 10 cents; per doz. 25 cents, postpaid.
By freight or express at purchaser's expense, 75 cents per 100.

Vick's Ideal Cauliflower Premium Winners

- 1st—Abel Steele,
Ferguson, Ont.
- 2nd—F. G. Vogelsang,
Fulton, N. Y.
- 3rd—Mrs. Wallace Wood,
Groton, N. Y.
- 4th—H. Hall,
Yorkville, N. Y.
- 5th—Jas. Murphy,
Canastota, N. Y.



VICK'S IDEAL CAULIFLOWER—First Premium in our Contest at the New York State Fair

Twelve Cucumbers

We have tested these dozen varieties on our trial grounds with many others; we have had the opinion of customers, and we believe they are far ahead of others for Home and Market Gardens

IN this latitude it is useless to plant in open ground until nearly the first of June. Make hills two feet in diameter and about six feet apart, and enrich them with well-rotted manure. Plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. One ounce for fifty hills; two pounds per acre when planted in hills.

Packet, 5 cents; ounce, 10 cents; $\frac{1}{4}$ pound, 35 cents; pound, \$1.25; except as noted.

Vick's Early Perfection White Spine

It excels in earliness, and is one of the best for either the home garden or forcing; also extensively grown for pickles. This most valuable strain is grown from stock seed, produced on our own farm, our selections being made from the choicest and most perfect fruits only. **Packet 10 cts.: oz. 20 cts.; lb., \$1.50.**

*Unrivalled
in Quality
Form and
Productiveness.
The best
variety
for table
or Pickling*



VICK'S EARLY PERFECTION WHITE SPINE

Vick's Improved Early White Spine

Very popular in all sections of the country. Flesh tender and crisp; uniform in size, straight and dark green with few white spines.

Cool and Crisp. A strain of the White Spine, but longer and more cylindrical. Very early and exceedingly prolific. While it is esteemed most highly as a pickling sort, it is one of the very best for slicing, being tender, crisp, and of fine flavor.

Chicago or Westerfield Pickling. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early Cucumber, and is much esteemed by Chicago market gardeners, and grown extensively for the large pickling establishments in that vicinity.

Green Prolific or Boston Pickling. A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.



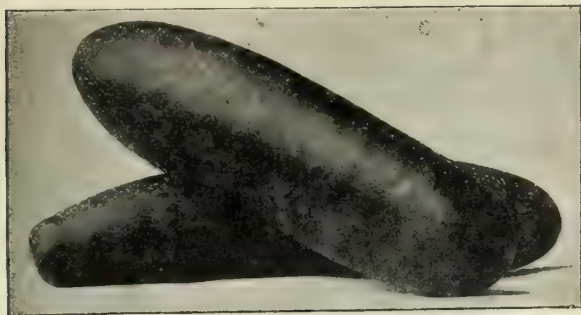
THE
HOWARD

The Howard

A handsome and very productive forcing variety, making fruit of the finest quality and shape, with exceedingly small seed cavity. It is also an extra fine open ground variety, combining the good qualities of Improved Long Green with the fine shape and color of the White Spine; in fact it is a cross between these two excellent varieties, and is used for forcing by our Rochester market gardeners, on account of its earliness, size, and rich dark green color. **Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.25.**

Early Frame or Short Green. An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green, flesh tender and crisp, and makes fine pickles.

Thorburn's Everbearing. Small size, very early, and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of fine quality. Invariably of perfect form, even when small. **Packet, 5 cents; oz., 15 cents; lb., \$1.25.**



IMPROVED LONG GREEN CUCUMBER

CUCUMBERS—Continued

Improved Long Green. A well-known standard variety about twelve inches in length, of most excellent quality, and when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Our strain of this valuable sort is unsurpassed by any, being carefully selected from the best fruits.

Early Green Cluster. A short pale green variety. Fruit borne in clusters near the root; rather prickly; containing few seeds. A productive sort, and very satisfactory for pickles.

Early Russian. Earliest and hardest small Cucumber in cultivation being only three to four inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.



COOL AND CRISP CUCUMBER

Vick's Lemon Cucumber

A Novelty of Merit Tried and True

The Lemon Cucumber is nearly round, with yellow and green markings and smooth skin similar to the Lemon. The flesh is tender, crisp, and possesses a sweetness and flavor surpassing all other Cucumbers. The fruits are from two and a half to three inches in diameter, and very attractive in appearance. For pickling, either when green or ripe, they are unexcelled. They should be used for the table just as the fruits are turning yellow. Customers who grow the Lemon Cucumber say they prefer it for quality and productiveness to any other variety.

Packet, 10 cents; ounce, 25 cents.

Foreign Cucumbers

Used chiefly by Market Gardeners

Japanese Climbing. A strong and vigorous grower; and while all Cucumbers are running or creeping vines, this variety attains nearly twice the length of ordinary sorts, and can be grown on trellises, fences, or poles. The fruits, from ten to twelve inches in length, are of excellent quality either for slicing or pickling. Packet, 10 cents; oz., 20 cents; lb., \$2.00.

Rollison's Telegraph. The very best of all imported sorts; twenty-six to thirty inches long. Packet, 25 cents.

Noa's Forcing. Most productive sort; thirty to thirty-six inches long. Packet, 25 cents.



VICK'S LEMON CUCUMBER

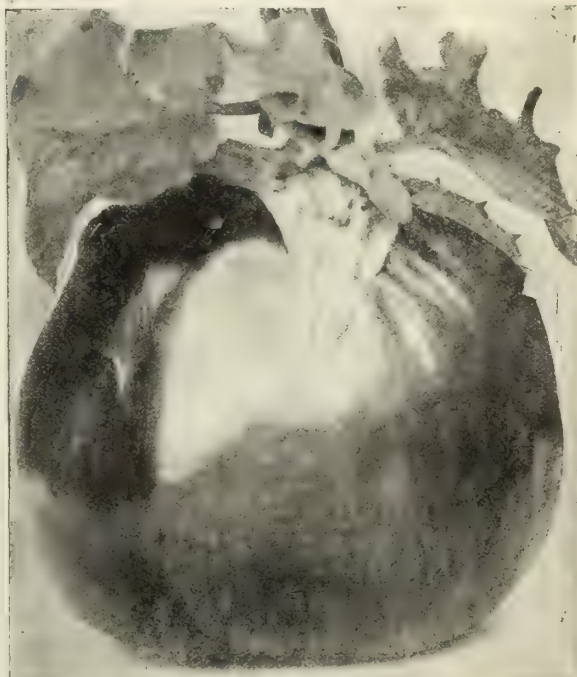
EGG PLANT

Those who have no hotbeds can sow a few seeds in boxes in the house where a temperature of 75° can be maintained. Plant out early in June two and a half feet apart. One ounce will produce about 1,500 plants.

Black Beauty. A distinct new Egg Plant of most remarkable merit. The fruit is quite as large as Improved N. Y. Purple, and from ten days to two weeks earlier than that variety. It is very attractive in appearance, and of excellent flavor. Packet, 10 cents; ½ oz., 25 cents; oz., 40 cents; ¼ lb., \$1.10; lb., \$4.00.

Improved New York Purple, Spineless. The standard for home use and market. Fruit very large, productive, and of the highest quality. Packet, 10 cts.; ½ oz., 25 cents; oz., 40 cents; ¼ lb., \$1.25; lb., \$4.00.

Early Long Purple. Eight or nine inches long. One of the earliest and very productive. Packet, 5 cents; oz., 20 cents; lb., \$2.00.



EGG PLANT, IMPROVED NEW YORK PURPLE SPINELESS



LETTUCE



Sow in the open ground as early as possible, barely covering the seed. If the hotbed is used, let it be started quite early. Give but little heat and plenty of water and air on fine days. Let plants in the bed be about four inches apart. As they increase in size thin them out, or they will become weak. One-half ounce will sow 100 feet of drill.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.25, unless otherwise noted.

Cabbage or Heading Varieties

BIG BOSTON Vick's Special Selected Strain

The outer leaves are a rich green, crisp and tender, and the center of the head a beautiful butter-yellow and white, very fine grained, and packed as close as a cabbage. **Big Boston** is more extensively used for market than any other variety, many acres being grown in the vicinity of Rochester alone. Plants are sure headers, and stand a long time before seeding. The seed we offer is saved from selected and perfect plants only. Packet, 10 cents; ounce, 25 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Vick's Premium Cabbage. An old favorite, excellent for all uses and seasons. Heads well; remaining in good condition without going to seed for a long time. Heads medium to large. Color bright green.

Vick's Royal. A fine variety, largely used in the Paris markets. The seed we offer comes direct from the originator. It produces a medium-sized head of a beautiful golden color, crisp and tender. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

The Keene. Originated near Rochester, and is used extensively by our market gardeners for forcing under glass and for early spring planting out-of-doors. The color is a rich, bright green. It forms good-sized heads very quickly, and for this reason can be marketed weeks before the Boston Forcing and other popular market sorts. It is extremely hardy, and does not burn, nor blight in any way. We are pleased to offer this excellent variety, knowing that it will give perfect satisfaction wherever grown. Packet, 10 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.10; lb., \$4.00.



LETTUCE, IMPERIAL WHITE CABBAGE

Cooper. Named after one of Rochester's leading market gardeners. It is sown in the fall and the young plants covered with stable litter just before the first hard freeze. In the spring the covering is removed. It soon forms large compact heads, *even better* than the hot-house grown. This variety is equally as good for spring and summer sowing. Packet, 10 cts.; oz., 25 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Crisp as Ice. A splendid and distinct Cabbage Lettuce, well adapted for family and home market use. The heads are of large size, handsome shape, and solid. When cut open they have a rich creamy yellow heart, and are so tender and brittle as to warrant the name, "**Crisp as Ice.**" The leaves are thick and glossy, handsomely crimped and curled, the outside variegated with dark bronze and green.

Golden Queen. A fine early head Lettuce, and one of the best sorts for early outdoor planting as well as for growing under glass. The color is a beautiful golden yellow. The heads are so solid that there is no waste whatever, and really contain more substance than many varieties showing double the size. Packet, 5 cts.; oz., 20 cts.; $\frac{1}{4}$ lb., 40 cts.; lb., \$1.50.

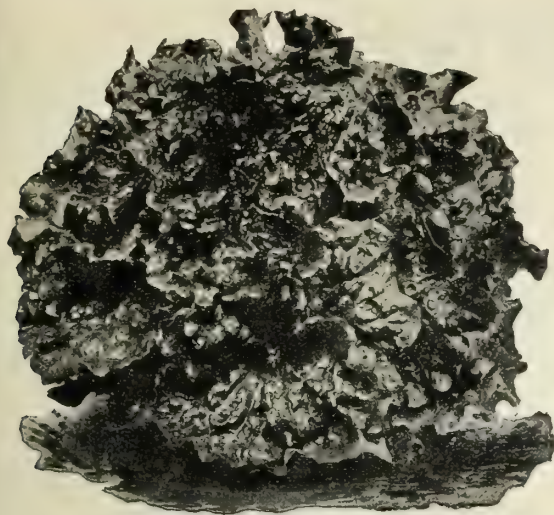
Imperial White Cabbage.

A splendid variety; excellent for family use and market. It is one of the very best for growing out-of-doors, as it withstands summer heat well, and remains a long time in the head. Heads large and extremely solid, of a light green color; very crisp, tender, and of first rate quality. In our estimation it is the best summer lettuce in cultivation. It is shipped to eastern markets in large quantities.

Tennis Ball, or Boston Market. A well known forcing variety. One of the earliest and best heading sorts.

Improved Hanson. A standard summer Lettuce; none more reliable for outdoor cultivation. The heads grow to a remarkable size, and are very solid. The outer leaves are a bright green, while the inner head presents a white appearance, as though blanched; tender and crisp, and free from any unpleasant bitter taste. It is slow to seed, and is an ideal Summer Lettuce.





LETTUCE, GRAND RAPIDS FORCING

Cabbage or Heading Varieties Continued

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.25; unless otherwise noted.

May King. A new variety highly recommended. Medium-sized round solid heads, light green in color, as plants develop turn to a rich golden yellow; fine buttery flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Salamander or Satisfaction. Forms large, solid, compact heads, resisting summer heat and remaining long in head. Leaves smooth, thick, and very tender; the inner head blanching almost white. An excellent spring, summer, or fall variety. Invaluable in the Southern States.

Curled or Loose-Leaf Varieties

Grand Rapids Forcing. There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as other sorts. Large, beautiful leaves, very crisp and tender. Frequently a house full of this Lettuce will average one half pound to a plant.

Black-Seeded Simpson. The most popular sort of all the non-heading varieties. One of the best for use under glass as well as for early outdoor planting. The plants form large, loose heads; outer leaves a light, yellowish green, with inner leaves blanching almost white. Resists the heat and remains long in a good edible condition.

Early Curled Simpson (Silesia). Forms a close compact mass of leaves that are large and broad, crimped and blistered, and light green in color. Not desirable for forcing with bottom heat. It is however recommended for planting in cold frames, and extensively grown in the open.

Cos or Romaine Lettuce

Paris White Cos. The Cos Lettuces are quite distinct, and are popular on account of their tender crisp leaves and delicious flavor. The leaves are long and narrow, and need to be tied up, when they soon form solid heads, and bleach snow white.

OTHER STANDARD VARIETIES OF LETTUCE
Deacon. Denver Market.

ENDIVE

Endive is an excellent autumn and winter salad. Sow seed late in the spring or even as late as July, in shallow drills, fifteen inches apart, and when plants are strong, thin out to about a foot apart. To blanch, gather up the outer leaves over the center of the plant, and tie them together at their tips. Sow one ounce to 100 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., \$1.25.

Moss Curled. Foliage very dense and beautifully fringed.

Green Curled. The hardest variety. Leaves dark green, finely cut; easily blanched to a fine white.

White Curled. Foliage somewhat coarser than the Green Curled, moderately dense, pale green.

Broad-Leaved Batavian. Leaves broad, thick, somewhat wrinkled.

KOHL RABI

Kohl Rabi is sown for general crop in the spring, like the Turnip, in drills; or may be transplanted like Cabbage. For winter table use, sow middle of June. Gather when small and tender, as later it becomes tough and stringy. The stem, just above the surface of the ground, swells into a bulb something like a Turnip. One ounce will sow 200 feet of drill.

Early White Vienna. Delicate; much prized for forcing. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Early Purple Vienna. Another forcing variety, similar to above except in color. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large Early White or Green. Used for feeding stock. Packet, 5 cents; oz., 20 cents; lb., \$1.50.

LEEK

The Leek is a mild onion-like plant. It is prized for soups, and is thought to be superior to the Onion for this purpose. Sow early in April, in drills, covering the seed half an inch deep. When the plants are about the size of a quill, transplant to a deep rich soil, in rows one foot apart, and five inches apart in the row, setting the roots deep, so that the neck may be covered and blanched.

Broad Flag. An old favorite. Large, hardy, and productive. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

Musselburg. The largest variety. Hardy. Flavor very mild. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

MUSHROOMS

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50° to 60°. From old pastures procure the soil, and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say three feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed eight inches thick. It will soon become pretty hot, but let the heat recede until it is only 85° or 90°. Then make holes, say a foot apart, and put in a piece of the spawn about as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover it with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, covering with hay as before. One Brick of spawn is enough for a bed 3x3 feet.

"New Culture" Spawn. Positively fresh, pure virgin spawn, taken directly from heavy, meaty mushrooms. Bricks, 30 cents each, postpaid. Five bricks, \$1.00, by express, charges not prepaid.

English Spawn. Bricks, 25 cents each, postpaid. Eight Bricks, \$1.00, by express, charges not paid.

For books on Mushroom growing see page 39.

Vick's Danish Ballhead Cabbage

I tell you, Vick, that's the cabbage that has got the rest of them beat by a century. Very truly yours,
V. BRASCHE.
Thomaston, Conn.



PARIS WHITE COS LETTUCE

MUSKMELONS

the latter, and therefore can be planted in more northern latitudes. Neither do they require the warm, sandy soil of the Watermelon. They can be grown in colder and heavier soils with but little manuring, which should be placed in each hill. The hills should be six feet apart. Do not plant until the ground has become warm and drv. One ounce will plant fifty hills. Two pounds are sufficient for an acre, when planted in hills.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25, except as noted.

SMALL VARIETIES

Rocky Ford. This is the most popular of the small Melons being extensively grown and shipped in car-loads for the markets. It is one of the finest early Melons, and one of the best for market gardeners and shippers as well as for the home garden. It is oval in shape, slightly ribbed, and covered with a coarse netting. The flesh is thick, green in color, very sweet and juicy, and solid clear to the rind.

Emerald Gem. The fruit of this really pretty Melon is small to medium, globular in form, flattened at the blossom and stem ends; skin smooth and slightly ribbed. It shows a rich emerald green color with narrow stripes of light green in the ribs. Flesh very thick, ripening close to the rind, of a deep, rich, salmon color, deliciously flavored and of superior quality. The fruit should be picked as soon as it will separate readily from the vine, and kept in a cool place until needed. If left on the vine the skin becomes yellow, and the flesh soft and tasteless.

Paul Rose or Petosky. This sort has given perfect satisfaction to all growers, both for market and home garden. It is a cross between the Osage and the Netted Gem, combining the sweetness of the former with the fine gray netting of the latter, making it a handsome Melon. The flesh is thick and firm, a deep salmon or orange color; most delicious and appetizing.

Jenny Lind. This is one of the oldest varieties of Muskmelon. The fruit is small and round, flat on both ends, deeply lobed, and finely netted. The flesh is green and luscious. It comes into market first of all.

MEDIUM-SIZED VARIETIES

Vick's Prolific Nutmeg. The vines are hardy and vigorous. Fruit medium size, round, slightly flattened at both ends, ribbed, with distinct netting; flesh green, thick, solid, and of delicious, spicy flavor.

Osage, or Miller's Cream. A remarkably fine variety, and a very profitable sort for market gardeners. It is of medium size, oval in form, dark green in color, handsomely netted, and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color, highly flavored and delicious to the rind. Cavity very small. Good keeper and shipper.

LARGE VARIETIES

Extra Early Hackensack. This is a very popular sort, producing large, handsome, and extra early Melons of best quality. Fruit nearly round, deeply ribbed, and very coarsely netted. The flesh is green, of most delicious flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 45 cents; lb., \$1.50.

Montreal Nutmeg. Fruit of the largest size, often attaining a weight of fifteen to twenty pounds. Shape nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 45 cents; lb., \$1.50.

OTHER STANDARD VARIETIES OF MUSKMELON

Champion Market

Large Hackensack

Surprise

Vick's Irondequoit Seed of this famous variety was grown on our farm last year and It's the Best

The flesh is a beautiful dark orange; the skin is finely netted, yellow when ripe, giving it a most attractive appearance when exposed for sale or cut for the table. The fruit is unusually large, delicious in flavor—sweet, rich, and spicy—and in every way superior to any melon offered by any other seedsman in America. The seed we offer is true to type in all respects, grown under our personal supervision, the fruits cut and the seed cleaned by our own men, and we know it is of the very highest grade. You need have no fear about growing melons from this stock. The Irondequoit Muskmelon holds the Rochester market to the practical exclusion of all other varieties. Growers, dealers and consumers pronounce it far superior to any other Muskmelon sold in

this locality. We have a reasonably large supply of seed, and are offering it at a little lower price than last year; don't miss growing Vick's Irondequoit.

Packet, 10 cents; $\frac{1}{2}$ oz., 30 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$2.00; pound \$7.50.



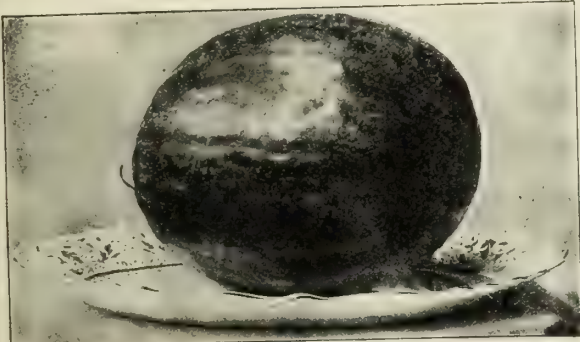
IRONDEQUOIT MUSKMELON—1st Premium won by S. D. Furminger, St. Catharines, Ont.



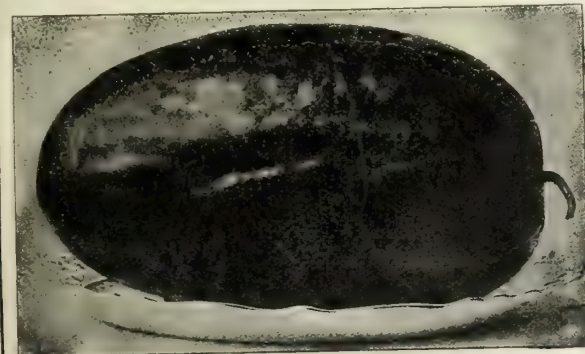
WATERMELON



Plant in hills eight to ten feet apart. The same culture as recommended for Cucumbers will insure success. One ounce of seed will plant thirty hills, and four pounds an acre with hills eight to ten feet apart. Allow three or four plants to remain in each hill.



COLE'S EARLY—THE AMATEUR GROWER'S FAVORITE



KLECKLEY SWEETS—A HOME GARDEN MELON



SWEET HEART—AN EARLY MELON FOR THE HOME GARDEN

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00; except as noted.

Sweet Heart *One of the very best early varieties for the home*

garden, of the largest size, nearly globular in shape; skin a bright, beautiful, mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy, but crisp, melting, and exceedingly sweet. A good keeper, and improves in quality for a long time after ripening. Vine vigorous and productive, ripening its fruit early.

Cole's Early *This is one of the earliest and best Watermelons*

for the amateur and for the home market. It is not only the earliest variety in cultivation, but continues to bear enormously throughout the season. The fruit is nearly round; rind thin and brittle, hence not desirable for shipping; flesh deep red and of extremely delicate texture, sweet, juicy, and delicious.

Florida Favorite. An excellent variety of large size. Shape oblong; skin mottled with alternate dark and light green stripes; rind thin but firm; flesh bright crimson, very crisp, and deliciously sweet. Ripens ten days earlier than Kolb's Gem or Mammoth Ironclad.

McIvor's Wonderful Sugar. This is of Southern origin, and is one of the very best Melons in cultivation. It excels in both beauty and lusciousness, being exceedingly sweet and juicy. The Melons attain great weight and size; oblong in shape, the rind showing broad stripes of light and dark green. The flesh is a rosy pink, perfectly solid, crisp, and of delicious flavor.

Dixie. A decidedly popular Melon. A cross between Kolb's Gem and the old reliable Mountain Sweet. It surpasses Kolb's Gem as a long distance shipping Melon, while it fully equals the Mountain Sweet in its excellent flavor, and is ten to twelve days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy.

Vick's Early *A melon prized for the Home garden or market*

Oblong in shape, smooth, with a very dark skin, rather small in size; flesh bright pink, solid, and sweet. Vines strong, bearing freely, thus making it a desirable variety for the home gardener, and the man who grows melons for the market.

Kleckley Sweets *Considered the finest-flavored*

Melons grown. The fruit is oblong in form, eighteen to twenty inches long, and ten to twelve inches in diameter; skin dark green; flesh bright red, extremely sweet, melting, and luscious. Ripens close to the rind, which is only about one-half inch in thickness. Not a shipper, but highly recommended for the home market and family garden.

Ice Cream or Peerless. The old but extremely popular home market Melon. Medium in size, almost round; the skin a pale green; flesh bright scarlet, fine-grained, solid to the center, sweet, crisp, and melting. Its delicious flavor entitles it to the name of *Peerless*.

Prize Jumbo. Immense in size. The common weight of this Melon is sixty to eighty pounds. The rind is hard and firm, which makes it a superior variety for long-distance shipping. In shape it is nearly round; color solid dark green; flesh deep red and of fine quality.

Georgia Rattlesnake. One of the largest varieties, and stands shipment long distances. Fruit of good size, oblong in form, distinctly striped and mottled light and dark green; flesh bright scarlet and of excellent quality. An old and very popular sort.

Citron for Preserves. This variety grows uniformly round and smooth. It has a handsomely striped and marbled skin of light green. Used only for preserves and pickles, and not for eating in the raw state. Very prolific.

OTHER VARIETIES OF WATERMELON

Which we can supply at the uniform price of: Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Black Diamond, Fordhook Early,

Cuban Queen.



ONION SEED



ONIONS must have a clean and very rich soil, as it is useless to attempt to grow them on poor ground. A liberal use of manure is more essential to these than any other crop. Sow in drills not less than a foot apart nor more than half an inch deep, keeping the soil mellow and clear of weeds. One ounce will sow 100 feet of drill, or five pounds per acre.

Vick's Own Selected Strain Danvers Yellow Globe

Successful onion growers use this strain in preference to all others. The seed is *Northern grown*, therefore adapted to growing in any section or climate. This variety is the standard in the eastern markets both for local use and shipping. It produces bulbs of usable size early in the season, so that it is a profitable variety all summer. The globe shape and the brownish-yellow skin make it attractive in appearance at all times.

Danvers Yellow Globe is an extremely hard and solid variety, the bulbs averaging fully six inches in circumference; the flesh is pure white, crisp and tender, while the flavor is sweet and mild.

Danvers Yellow Globe is a sure crop, which fact combined with its other characteristics makes it one of the best and most popular sorts for both home and market use. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.25; 5 lbs., \$6.00.

Round Yellow Danvers. Shape round, flattened at the ends. Earlier than the Globe sort. Does well on moist ground. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

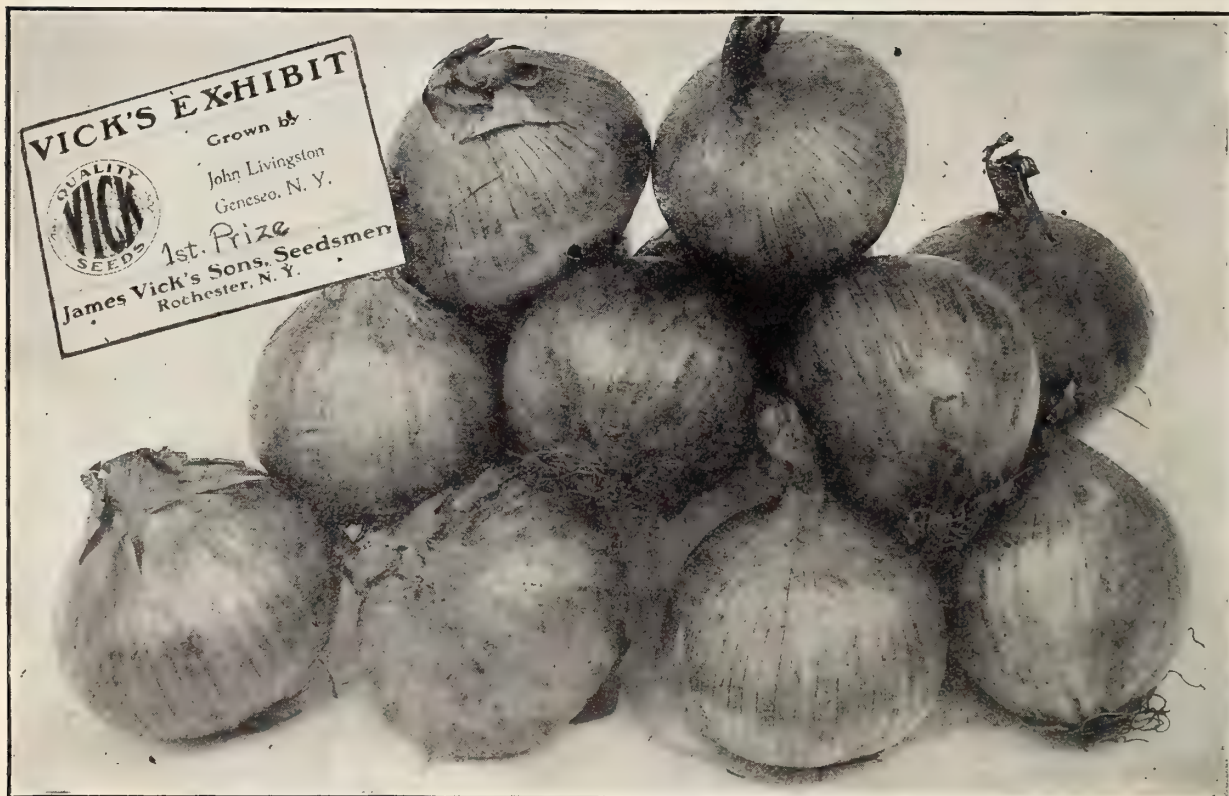
Southport Yellow Globe. It is entirely distinct from the Danvers type, being somewhat more pointed at each end. The flesh is white and mild in flavor. It is quite productive and a good keeper. These onions always command a high price in the markets. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Mammoth Prize Taker. Genuine seed of this variety produces handsome, large, Yellow Globe Onions. We have the seed specially grown for us. Our *American Grown Seed* produces bulbs enormous in size, and the yield per acre is larger than that of any other variety. While not so good a keeper as our Yellow Danvers, it is a valuable sort for immediate or early fall use. The skin is of a rich yellow straw-color; flesh white, sweet, mild, and tender. Packet, 5 cts.; oz., 25 cts.; $\frac{1}{4}$ lb., 60 cts.; lb., \$2.00.

Large Yellow Dutch or Strasburg. This variety is one of the old standard sorts. It is flat, white-fleshed, fine grained and mild. It is exceedingly productive and a good keeper. A popular sort for growing sets, the product being a round, bright, smooth set. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Australian Brown. Distinct from all other Onions; uniform in size and shape; wonderfully hard and solid, and will keep almost indefinitely. Ripens extremely early. It is of medium size, round, with skin of a deep amber-brown; flesh mild and agreeable. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Extra Early Flat Red. The earliest of the red sorts, coming into use from ten days to two weeks earlier than the Red Wethersfield. It is adapted to cold, damp, mucky soils, where other varieties fail to produce large-sized Onions. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 65 cents; lb., \$2.00.



Ailsa Craig

Flavor Mild.
Size Immense.
Solid and heavy

For home use as well as exhibition purposes, Ailsa Craig combines all the necessary qualities for the ideal Onion. The skin is pale yellow, flesh snow-white, delicious in flavor, in fact, equal in every respect to the popular Spanish onions. While attaining an immense size, from one and one-half to two and one-half pounds at maturity, it is solid to the core, one of the most desirable points in large varieties. An other year's experience with Ailsa Craig Onion convinces us that its good qualities have not been over-estimated, and that one who enjoys the Spanish onions will be greatly pleased with this variety. Plan to plant at least a packet in your garden this spring; more if you have room. Packet, sufficient to sow 25 feet, 10 cts.; $\frac{1}{2}$ oz., 25 cts.; oz., 35 cts.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large Red Wethersfield

The standard red, and, owing to its productiveness, the most profitable for the market gardener. Form somewhat flattened, skin a deep purplish red, flesh purplish white. The best variety for poor or dry soils. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Southport Large Red Globe. Our strain is unsurpassed; it is used for growing the exceedingly fine large bulbs seen in the New York markets. Its beautiful form makes it extremely desirable. It produces large crops on favorable soils, and is a good keeper. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Southport White Globe

Handsome, large-sized, globular in form. Skin and flesh a pure white. To succeed in producing good pure white Onions, the crop should be pulled just as the stalks begin to fall down, and then allow them to dry off in the open air, keeping them free from rain or dew, which would cause discoloration of the bulbs. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.75.

White Portugal or American Silver Skin. A large flat white Onion of exceedingly mild flavor. It is a popular sort, and when young excellent for bunching or for pickles. It is also especially adapted for growing sets. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50.

EGYPTIAN OR TOP ONION SETS (Perennial)

The young sets of these are produced on top of the stalks. As they cannot be kept out of ground over winter they must be planted in the fall; therefore, orders for them should be given in the spring for delivery next autumn. When once set out, they will come up year after year as soon as frost is over. They need no protection, grow rapidly, and are very productive, sweet and tender. Quart, 30 cents; peck, 75 cents; bushel, \$2.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.

ITALIAN ONIONS

The flavor of the Italian sorts is mild and well adapted for all culinary purposes. Seed should be sown thicker than that of the American sorts.

Mammoth White Garganus or Silver King. This is mammoth in size, the largest onion in cultivation. The bulbs are very attractive in form, fine-shaped, flattened but thick, with a silvery white skin. The flesh is snow-white, fine-grained, exceedingly mild, and of pleasant flavor. It matures quite early. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large White Flat Italian Tripoli. A handsome, large, pure snow-white, flat Onion, mild and of excellent flavor. If seed is sown early in hot-bed and transplanted, they grow to a large size. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large Blood Red Italian Tripoli. Same as preceding, except in color, which is a bright dark red. Used in the South when the Bermuda sorts cannot be had. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Giant Rocca of Naples. A very large-growing, globe-shaped variety. The skin is reddish brown in color; flesh very mild and sweet-flavored. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

White Queen or Extra Early Barletta. This is an extra early, very small, round, hard, and handsome variety. The color is a beautiful waxy white; flavor mild and delicate. It is the Onion used in all famous pickle factories in our own country. A favorite for the home garden, as bulbs grown from seed will mature as early as those raised from the ordinary Onion sets. The best variety for pickling. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 65 cents; lb., \$2.25.

White Bermuda (Teneriffe grown). The Bermudas are the earliest Onions in the market, and are grown extensively in the South. Outer skin straw color, flesh pure white. Packet, 5 cents; oz., 30 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.25.

Red Bermuda. Similar to the white, but with red skin. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.25.

ONION SETS

Onion sets should be planted as early as the ground is in condition to work in rows 12 to 15 inches apart, with sets two inches apart in the rows. Green Onions for bunching come in very early, while the crop of large bulbs matures very much earlier than if planted from seed.

True English Multipliers or Potato Onion. Quart, 30 cents; peck, \$1.25; bushel, \$4.00.

Yellow Bottom Sets. Quart, 30 cents; peck, \$1.25; bushel, \$4.00.

White Bottom Sets. Quart, 30 cents; peck, \$1.50; bushel, \$4.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.



SOUTHPORT WHITE GLOBE

SOUTHPORT YELLOW GLOBE

SOUTHPORT RED GLOBE



Garden Peas



SOW Peas in drills about four inches deep. The drills must not be nearer than two feet, except for the lowest sorts. Those growing three feet high or more should not be nearer than three or four feet, and should have brush for their support. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pint will sow forty feet of drill; two bushels for an acre, in drills three feet apart. Our customers often write us enquiring the names of the three best Garden Peas, Early, Medium and Late. While all those in our list are good in their class, we name three which in our opinion are equal if not superior to other sorts; First Early, *Thomas Laxton*, plant as early as weather conditions will permit. Medium, *Vick's Daisy*; Late, *Improved Stratagem*; plant the Medium and Late varieties about one week later than the Early.

Extra Early Varieties

The Thomas Laxton

The Leader of the Extra Earlys

This Pea outranks all other extra early wrinkled varieties in hardiness and productiveness. It has all the delicious sweetness of the Gradus and comes into use fully as early as any of the "Extra Earlys." In addition, it is of stronger constitution than the Gradus, is hardier, and therefore can be planted earlier. It is more prolific, the yield of peas to the quantity of pods gathered being quite phenomenal. The pods are large and shapely, of a rich dark green color, and filled from end to end with seven or eight very large white-seeded, wrinkled sugar peas, the flavor of which is unsurpassed by any other Pea in cultivation. Vines are strong and hardy and from three to three and one-half feet high. **Packet, 10 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Alaska. A smooth blue Pea, the earliest of all the extra early varieties; good flavor; pods dark green, well filled and ripen uniformly. One of the very best for market gardeners. Vines two and one-half feet high.

Packet, 10 cents; ½ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Vick's Selected Extra Early The earliest of the early white Peas; unsurpassed either for market or family use; of excellent quality; unusually productive for so early a variety. Vines two and one-half feet high. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

Gradus (Prosperity). As an extra early Pea, the Gradus, being a sugar Pea, is far superior to all smooth varieties, not only in its delicious quality, but also in the long pods. While the early smooth varieties contain four or five peas to the pod, the Gradus usually contains from eight to twelve. **Packet, 10 cents; ½ pint, 25 cents; pint, 45 cents; quart, 80 cents.**

Surprise. One of the earliest wrinkled Peas in the market. Vines grow about two feet high, are vigorous and need no bushing; pods well filled, containing about six or seven peas, which are exceedingly tender, sweet, and fine flavored. **Packet, 10 cents; ½ pint, 20 cents; pint, 35 cents; quart, 65 cents.**

Nott's Excelsior. An extra early dwarf, green, wrinkled sort. The peas are superior in sweetness and quality; the vines larger and more vigorous than American Wonder, and yield one quarter more in shelled peas. **Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 75 cents.**

Bliss' American Wonder is one of the very best of the earliest wrinkled Peas in cultivation, and a superior cropper, bearing large, well-filled pods, having from six to nine large peas in a pod. The vines are ten to twelve inches high, and of robust habit. A fine variety for the home garden. **Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 75 cents.**

Extra Early Premium Gem. An improved Little Gem, another extra fine dwarf Pea. Many consider it equal to either Nott's Excelsior or American Wonder. Vines 12 to 15 inches. Very productive, pods large and Peas of excellent quality. An old favorite. **Packet, 10 cents; ½ pint, 25 cents; pint, 40 cents; quart, 70 cents.**

Medium Early Varieties

Swastika Vick's 1909 "Good Luck" Medium Early Garden Pea

SWASTIKA "Good Luck" is certainly a wonder. The plant is branching and covered with pods five inches long, well filled with from seven to ten large Peas almost as sweet as sugar. It is second early, ready for picking a few days later than the extra early sorts. Vines dwarf, twelve to eighteen inches high, strong and branching, of a brilliant deep green color.

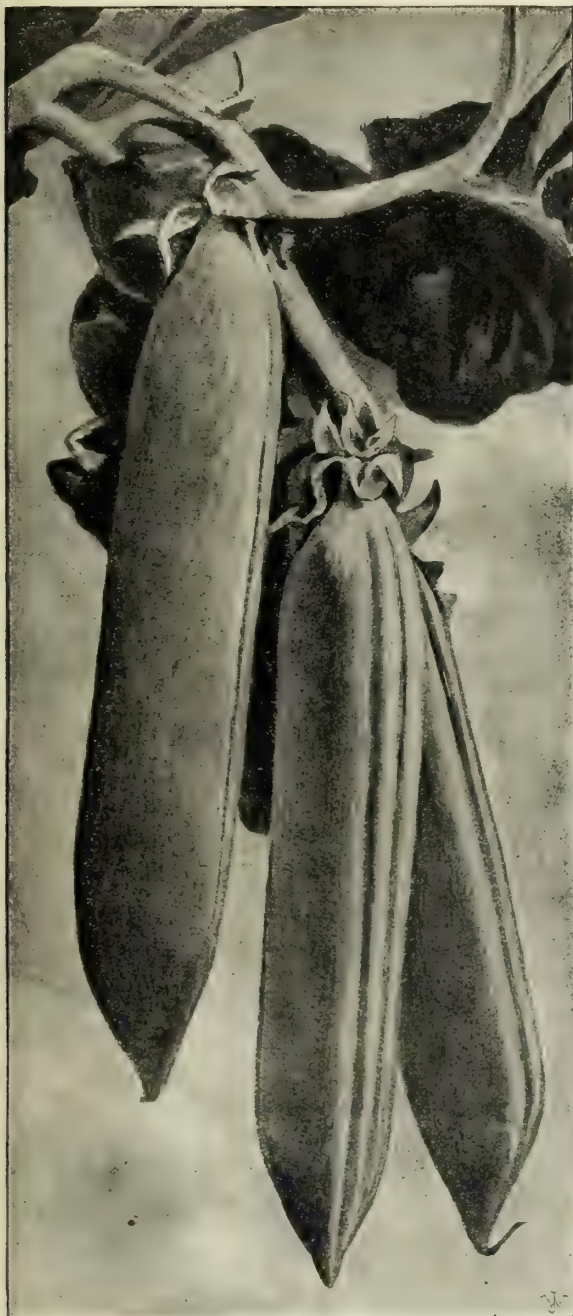
Packet, 10 cents; ½ pt., 25 cents; pt., 45 cents; qt., 80 cents.



The
Thomas Laxton
Pea

Have patronized James Vick and his sons since 1869 and am pleased to add my testimony to the liberal treatment always received at their hands.

MRS. E. B. ROGERS,
Battle Creek, Mich.



VICK'S DAISY PEA

**WHY I BUY VICK'S SEEDS**

1. Because they grow.
2. Because they grow the best things.
3. Because they are Northern Grown.
4. Because Vick's Catalogue is truthful.
5. Because I get the worth of my money.

Rev. E. Pearce, Hartford, Pa.

Laxtonian A new dwarf Pea introduced by the English growers of Thomas Laxton and Gradus, resembling the latter in size and shape of pod; in fact, it is a dwarf Gradus. It is a well-known fact that for quality in flavor Thomas Laxton and Gradus were in a class by themselves, until the introduction of Laxtonian. The vines are about twelve inches high, and when in bearing are filled with immense dark green pods containing eight or nine large peas. It is but a few days later than the early sorts, but is classed as a second early. It is so productive, the pods so large and well filled, the quality so good, it is deserving of a place in every home garden.

Packet, 10 cents; $\frac{1}{2}$ pt., 35 cents; pt., 60 cents; qt., \$1.10.

Bliss' Everbearing. A fine wrinkled sort, about thirty inches high; very robust, bearing heavy crops of large, well-filled pods; peas of excellent flavor. Owing to its branching habit, the peas should be planted about six inches apart. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Bliss' Abundance. Remarkably productive. Plant one and a half to two feet in height; pods three inches long; peas large, wrinkled, of superior quality. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Vick's Daisy The Daisy is a second early Pea of robust habit; the vines grow about four feet in height, bearing an abundance of well-filled pods containing seven to nine large and deliciously-flavored peas. It is one of the finest early green wrinkled Marrow Peas in cultivation, and one that ought to be grown in every garden whose owner appreciates Peas. Sturdy and branching in habit, requiring no stakes, coming early and remaining late in profitable productiveness, giving green peas of considerable size and of best quality, it is one in the very front rank. Packet, 10 cents; $\frac{1}{2}$ pt., 25 cents; pt., 45 cents; qt., 80 cents.

Horsford's Market Garden. A wrinkled variety of superior quality, growing two feet high, very stocky; requires no brushing; extremely prolific, bearing pods in pairs. A very desirable sort for canners' use. Packet, 10 cents; $\frac{1}{2}$ pint, 25 cents; pint, 40 cents; quart, 70 cents.

McLean's Advancer. A fine early market variety, exceedingly prolific, with well-filled pods of green wrinkled peas of delicious flavor. It is also known as **Dwarf Champion**. Vines two to two and a half feet high. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Telephone. A fine, tall, wrinkled variety, and a great cropper, bearing immense pods of large peas of exquisite flavor. It is decidedly a market garden Pea, filling a basket quicker than any other variety. Vines four feet. Packet, 10 cents; $\frac{1}{2}$ pint, 25 cents; pint, 40 cents; quart, 75 cents.

Long Island Mammoth. One of the most productive Peas in the list. Pods large and handsome, and well filled with peas of excellent flavor. This is another one of those popular sorts for the market gardener, as the large pods soon fill a basket, requiring but little time for gathering the crop. Packet, 10 cents; $\frac{1}{2}$ pint, 25 cents; pint, 40 cents; quart, 75 cents.

Late or Main Crop Varieties

Improved Stratagem This is one of the best of the large-podded sorts; vigorous, productive, and of exceedingly fine quality; a favorite with market gardeners everywhere. Vines two to two and a half feet. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; quart, 55 cents.

Improved Pride of the Market. A very robust, strong-growing variety, about two feet high, requiring no bushing or support; wonderfully productive; fine in appearance, and quality most excellent. A fine Pea for the kitchen garden or for market use. Packet, 15 cents; $\frac{1}{2}$ pint, 40 cents; pint, 60 cents; quart, \$1.15.

Yorkshire Hero. A very fine, large, dwarf, wrinkled variety, of extra fine quality and very productive. Vines two and one-half feet high, bearing numbers of large well-filled pods. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Champion of England. A handsome variety, popular everywhere. One of the richest and best-flavored green wrinkled Peas. Five feet in height. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart, 65 cents.

Melting Sugar. This variety is used either shelled or cooked in the pod, like string Beans, and when young is very tender and sweet. It is but little known in this country, while abroad it is considered a great relish. Packet, 10 cents; $\frac{1}{2}$ pint, 20 cents; pint, 35 cents; quart 65 cents.

Large Black-Eyed Marrowfat. Well-filled pods. Four feet tall $\frac{1}{2}$ pint, 20 cents; pint, 30 cents; qt., 50 cents.

Large White Marrowfat. Like the Black-Eyed Marrowfat, extensively grown as a field crop. $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Field Peas

Field Peas make a splendid fodder crop for stock. They can be sown very early, either alone or with oats, and for dairy cows they equal corn and are ready several weeks earlier. Swine can be pastured to great advantage in a field of peas. Field peas can be grown on land that will not produce clover.

Canada Field. For sowing broadcast. Bushel, \$2.50. Freight or express not prepaid.

SEED POTATOES

Every variety of potatoes listed here was tested on our trial grounds last season, and in all respects they were found to be of exceptionally high quality.

These varieties were grown on contract, within fifty miles of Rochester, and the crop was regularly inspected during the season, so we know that the stock is absolutely right in every way. No grower of potatoes can afford to take chances with inferior seed stock, and with this in mind we have given particular attention to our supply for this season.

We always ship Potatoes and other heavy goods by Freight, excepting when ordered sent by Express, or when the quantity is such that to send by Express is cheaper.

Many people order small quantities, like a peck, to go by freight, thinking the charges will be less. This is seldom the case as the railroad companies make no rate for less than 100 pounds; therefore, the freight on a bushel is just as cheap as on a peck. Packed for shipment, Potatoes weigh about: Peck, 20 pounds; half bushel, 40 pounds; bushel, 70 pounds; barrel, 185 pounds. Please state whether you want the potatoes by freight or express, and do not fail to name the station to which they are to be sent.

VICKTOR The Leading Extra Early

This Potato, introduced by us in 1903, has become a permanent favorite with all who have given it a trial. It is the earliest and best white potato grown. The plants are of strong healthy growth, producing tubers compactly. Tubers large, of uniform size, roundish and slightly flattened; skin white somewhat russeted. Either baked or boiled the flesh is dry and mealy. Its extremely early ripening secures it from blight, and assures a large crop of sound tubers, which keep as well as the late varieties. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel \$5.00; by express or freight, not prepaid.

Quick Crop As the name implies, is an early variety. It is a rapid, vigorous grower; vines strong and of a healthy dark green. Its cooking qualities are unsurpassed. When planted on good soil big returns can be expected, as it is an exceptionally heavy yielder. The tubers are oval to long in shape, and light rose in color. We especially recommend this variety to the market garden trade and to the home garden for first early. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

The Bovee For an extra early this variety is one of the best; almost as early as the Ohio, and an exceedingly heavy yielder for an early Potato. A vigorous grower, good keeper and fine quality. In color it resembles the Hebron or Rose class. It grows to a good size, oval in shape. We consider it an excellent variety. Our seed stock was procured direct from the originator. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

Early Astonisher. New and early. Skin, light yellow, often netted, flesh white and floury when baked or boiled. It resembles Early Rose in shape and is just the variety for the market gardener. It has proven with us to be a big yielder combined with earliness. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

Ohio Junior. This variety, while not of recent introduction, is one of the earliest Potatoes cultivated, and on this account is prized by market growers. The tubers are oblong-oval, round at the seed end, with full eyes that are almost even with the surface. An excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of extra early varieties. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 60 cents; bushel, \$1.80; barrel, \$4.25; by express or freight, not prepaid.

Early Harvest. One of the best early White Potatoes. It is wonderfully early. This feature, coupled with large yield, superb quality, and fine appearance, makes a most valuable sort for early marketing or home use. The tubers average large, are nearly white, with eyes only slightly indented; shape oval, flattened, sometimes long-oval. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.25; by freight or express, not prepaid.

Carmen Seedling

A late, round white main crop variety. Very handsome, productive and of excellent cooking quality. It is fresh from the seed ball, and produces unusually well. This variety we consider one of the best main crop potatoes we have ever grown. Pound, 25 cents; three pounds, 60 cents; by mail or express prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.



CARMEN SEEDLING POTATOES—First Premium in our Contest at Syracuse, N. Y., September 12 to 17, 1910

Vick's Late Vicktor

Cataloged this season for the first time. One of the best main crop, late, round, white potatoes in cultivation; skin smooth and clear; shape uniform; tubers sound and of excellent cooking quality. This new sort is very productive, vines large and branching, and a large number of fine, sound tubers of just the right size and shape, in each hill. We are pleased to recommend this new variety to all of our customers. **Pound 25 cents; three pounds, 60 cents; by mail or express prepaid Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.**

Norcross. A large, flattish-oval, white variety, perfect in shape and quality, large in yield, and a remarkable keeper. This variety originated in Maine, and for a number of years has been carefully bred to increase the percentage of starch. The result of these labors is a potato that cooks dry and mealy, resists disease, and keeps till late spring without rotting. **Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.**

Maggie Murphy. The Maggie Murphy is conceded by Potato growers to be one of the best late Rose varieties, and if planted on light soil the quality is unsurpassed, the yield enormous. This Potato in form is oval, the skin a delicate pinkish tint, with russet markings, eyes flush with the surface. Plants very strong and vigorous, remaining green up to maturity. **Pound, 25 cents; three lbs. 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.**

We can supply seed stock of all the leading varieties including:
Sir Walter Raleigh American Wonder Carmen No. 3 Irish Cobbler

Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

PARSLEY

As Parsley seed germinates very slowly, it should be planted in a bed if possible. For outdoor sowing always prepare the seed by placing it in hot water to soak for twenty-four hours, in a warm place. Sow thickly, in rows one foot apart and half an inch deep, pressing down well after sowing. When well up, thin to six inches apart. Parsley lives through the winter, and seed may be sown in the autumn. One ounce will sow 150 feet of drill.

Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents; except as noted.

Beauty of the Parterre, or True Emerald. This variety is very distinct in appearance. It has a shade of green not shown in any other, while its leaves are more finely cut and densely curled. Habit dwarf and spreading. **Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., \$1.00.**

Champion Moss Curled. A compact growing, very ornamental plant. Leaves a bright green color, finely crimped and beautifully curled.

Vick's Triple Curled, or Myatt's Garnishing. One of the best for market or private garden; a handsome dwarf, compact sort. Leaves bright pale green; extra curled and crimped.

Fern-Leaved. As its name indicates, this variety is most beautiful in form and color; valuable for garnishing, and also as an ornamental foliage plant for borders of beds.

Hamburgh or Turnip-Rooted. The roots resemble a small Parsnip, and are the edible portion of this variety. Used for flavoring soups, etc.

OKRA OR GUMBO

A large, vigorous, tender plant, cultivated in the South for its young seed-pods, which are very nutritious, and are used in soups, stews, etc., and especially for making gumbo soup. Should be more generally grown in the North wherever it is warm enough for Sweet Corn. About the last week in May sow seed thinly, in drills one inch deep and three feet apart. When well up, thin the plants out to one foot apart in the row. Gather the pods when quite young (about an inch and a half long), before woody fibre is formed. One ounce of seed will sow fifty feet of drill.

White Velvet (White Creole). Pods round, smooth, much larger than other sorts; produced in great profusion. **Packet, 5 cents; oz., 10 cents; lb., 60 cents.**

Perkin's Mammoth Long Pod. A dwarf but enormously productive variety. Pods long, slender, deep green, and remain tender much longer than most sorts. **Packet, 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb. 80 cts.**



VICK'S LATE VICKTOR—See our Premium Offer for this variety on Page 2.

PEPPER

The culture of pepper is precisely the same as for Egg Plant. Transplant when three inches high. One ounce of seed will yield about 1,500 plants.

Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50; except where noted.

Chinese Giant. A magnificent variety and the largest and finest Pepper in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky in habit, very productive, and ripens its fruit earlier than the Ruby King. The fruit averages four inches in diameter, and is of a bright glossy scarlet when ripe. The flesh is unusually thick and very mild, having none of the pungency of most of the older varieties. The immense size of the fruit and its brilliant color render it very attractive. **Packet, 10 cents; ¼ oz., 30 cents; ½ oz., 30 cents; oz., 50 cents; ¼ lb., 1.50; lb., \$5.00.**

Large Bell, or Bull Nose. Very large, nearly four inches long and three inches in diameter; glossy red. Excellent for use in salads and pickles.

Ruby King. A handsome and very productive variety. Fruits from four to six inches long by three and a half to four inches broad; remarkably mild and pleasant. When ripe they are a bright ruby red.

Golden Dawn or Queen. Resembles the Large Bell in shape, but is more delicate in flavor. Color a rich golden yellow, with very thick, mild, sweet-flavored flesh.

Sweet Mountain or Mammoth. Much like the Large Bell, but larger and milder. Fruit thick and sweet. Fine for making stuffed mango pickles.

Coral Gem Bouquet. The finest of the small varieties. Its shining red pods, an inch in length, are so thickly set as to completely cover the plant. They are very hot, and suitable for seasoning. Makes an elegant pot-plant. **Packet, 5 cents; oz., 50 cents; ¼ lb., \$1.50; lb., \$5.00.**

Red Cluster. A distinct and beautiful variety, bearing a profusion of bright scarlet fruit in clusters in an upright position. Hot and pungent. As a decorative plant for the flower garden or for pots, it will be found very useful. **Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00.**

Celestial. A Chinese variety, useful as well as ornamental. Sets its fruit early, and continues until frost. When fully grown the fruit is bright scarlet.

Long Red Cayenne. Beautiful and productive. Fruit four inches long bright red, pointed pod; flesh thick and pungent.

OTHER STANDARD VARIETIES OF PEPPERS

Small Red Chili. Cherry-Formed Red.

MUSTARD

Ostrich Plume. Exceedingly ornamental as well as useful. The leaves are long, ruffled, frilled, and curved as gracefully as an ostrich plume. For salad it is better than any other variety, and for boiling it is superior to spinach. **Packet, 5 cents; oz., 10 cents.**

White. Fine for salad or culinary purposes. **Packet, 5 cents; oz., 10 cents; ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents.**

Giant Southern Curled. The favorite in the South. Continues to yield until frosty weather. **Packet, 5 cents; oz., 10 cents; lb., 75 cents.**



RADISH



FOR early use seed should be sown in the hotbed, in drills, three or four inches apart and half an inch deep. For open ground, sow a early as weather conditions permit. As soon as the first leaves appear, sprinkle with soot or ashes to save them from the turnip fly. The Winter Radish should be sown about the middle of summer, and makes its best growth in autumn. One ounce will sow 100 feet of drill; ten pounds to the acre.

For House or Garden Culture

Vick's Early Scarlet Globe

is Unequaled by any other Sort

It is handsome in both form and color, a beautiful oval and a rich scarlet; the flesh is crisp, tender, juicy and mild. The amount of its foliage is small compared with other varieties and small for the size of the Radish, making it a particularly attractive market sort. As a forcing Radish, Vick's Early Scarlet Globe is the best in every way, bearing the heat requisite for forcing without becoming pithy or spongy. Away back in 1884 we introduced this universally popular Radish



and today it is sold by almost every seedsman in the world, and is also used by the leading market gardeners both for forcing and out-of-door planting. Owing largely to our care in selecting and growing the seed, it leads all other varieties.

Vick's Early Scarlet Globe Radish is the Best all-round Radish on the market, and is therefore valuable for both the home gardener and the man who grows Radishes for the market. You will find "Vick Quality" in every ounce.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ pound, 30 cents; pound, \$1.00.

Next to Vick's Scarlet Globe Radish these are the Best Varieties you can grow

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cts.; except as noted; all postpaid.

Vick's all Seasons. *Good at all times—from the size of a marble to as big as a base ball.* It may be sown from spring until autumn, and the roots obtained from late sowings can be kept in storage for winter consumption. It can be used in all stages, from the size of a marble until full grown. The root is round, of brilliant scarlet color, grows to a very large size, and remains firm and brittle to the end. When sliced and salted it makes a very fine relish. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Triumph. A striking variety. Root globe-shaped, showing bright scarlet stripes on a white ground. A good forcer.

French Breakfast, or Scarlet Olive-shaped

White Tip. Very tender and beautiful. Fine for open ground or forcing.

Early Round Dark Red (Non plus ultra). Especially adapted for forcing on account of its very small tap-roots and tops. It is also good for summer use in open ground. Skin dark red; flesh white, crisp, and tender.

Extra Early Scarlet Turnip-Rooted. (Forcing.) Medium in size, the root being clear and smooth, with a small top, remaining fit for use a long time. Next to Scarlet Globe we would recommend this variety for forcing.

Scarlet Turnip White Tip (Rosy Gem). (Forcing.) Very desirable for forcing and outdoor planting. Tops and roots both small; skin bright scarlet; flesh very mild and crisp.

Scarlet Olive-Shaped. Oval; very tender and excellent; an inch and a half long; fine for forcing or open ground.

White Olive-Shaped. Like all olive-shaped varieties, except in color.

Philadelphia White "Box." Is superior and entirely distinct from any early White Turnip Radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, showing no disposition to become pithy with age. Its short top and rapid growth especially fit it for growing under glass.

Scarlet Turnip. Round, diameter about an inch; skin scarlet flesh white.

White Turnip. Similar to preceding, except in color; less pungent.

Yellow Turnip. Similar to above, except in color.

Wood's Early Frame. Similar to Long Scarlet, but shorter, earlier, and adapted for forcing.

Long Brightest Scarlet The brightest and handsomest scarlet Radish grown or **Cincinnati Market.** Fit for use in twenty-five days from time of sowing, and remains in good condition until fully grown, when it is as large and crisp as Wood's Early Frame. Tops small.

Vick's Improved Long Scarlet Short-Top. The favorite long market Radish everywhere; six or seven inches long. Our strain of this popular sort has been grown from a selection year after year until it is perfection itself.

Beckert's Chartier, (Shepherd). A distinct variety. Color red at the top, shading to pink in the middle, and passing into pure white. It attains a large size before becoming unfit for use.

Long White Vienna or Lady Finger. Beautiful in shape; skin and flesh snow white; crisp and tender in summer.

Iceberg. A beautiful transparent white variety, about three inches long and half an inch in diameter, with small tops; very crisp and brittle, and remains in good condition a long time; does not get pithy. Suitable for forcing. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

White Delicious. An improvement on the White Strasburg, being earlier, more evenly shaped, and having a smaller top. For outdoor early fall sowing it is sure to make a crop of uniform white Radishes. Quality first class. Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

White Strasburg Summer or White Hospital. A large, white, showy, half-long variety. Matures early. A leading market variety.

Giant White Stuttgart. A popular variety, early, of quick growth and large size; in shape like a large top. Flesh and skin pure snowy white.

Cooper's Sparkler A new variety of an entirely distinct type. In shape it is globular; the top is very short, thus making it adaptable for forcing, although it is equally good for outside. The color is a rosy carmine, with a long white tip. Cooper's Sparkler will keep longer in good condition than any other variety we have tried, and can be grown the year round. Successive sowings should be made during the summer.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 60 cents.



COOPER'S SPARKLER RADISH

Winter Radishes

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts., except as noted; all postpaid.

Chinese Rose Winter (Scarlet Chinese). One of the very best for fall and winter use, and popular with market gardeners. Bright rose color; flesh white and firm, of superior quality.

Large White Spanish Winter. A popular sort. Flesh solid and milder in flavor than the black sorts.

Round Black Spanish Winter. This is a large black-skinned Radish, much relished by the Germans. Flesh white and firm.

Long Black Spanish Winter. Like the above, but the roots are longer and perhaps slightly milder in flavor.

California Mammoth White Winter is really a Chinese Radish, grown by the Chinese in California; eight to twelve inches long and from two to three inches in diameter; white, solid, and of good flavor.

RHUBARB

Sow in drills eighteen inches apart and one inch deep. Thin out the plants to six inches apart. In the fall prepare the permanent bed by trenching two feet deep, mixing a liberal quantity of manure with the soil. Into this set the plants about five feet apart each way. The stalks should not be cut until the second year. One ounce should give about 500 plants.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

St. Martin's. One of the earliest as well as most prolific.

Linnæus. Early and tender.

Victoria. Very large, but later than Linnæus.

Roots of above, each, 15 cents; dozen, \$1.50.

SPINACH

For a succession, the seed may be sown early in April and again in May, in drills one foot apart and one inch deep, properly thinning out when plants are an inch in the leaf. For the principal crop, sow from first to middle of September, protecting the crop with a light covering of straw or leaves. One ounce for 100 feet of drill; 10 pounds, in drills, for an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 40 cents; except as noted.

All Seasons It is a well-known fact that Spinach will not stand the hot days of summer without quickly running to seed. All Seasons will stand and remain in an edible condition longer than any other variety we have grown. The foliage is dark green, crinkled, sweet and luscious. The seed may be sown at intervals during the Summer. An exceptionally fine variety. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 50 cents.

Improved Thick-Leaved, or Long-Standing. Leaves large and thick, somewhat crumpled. Does not run to seed as early as other varieties.

Victoria. A valuable sort. Its attractive dark green color, long-standing, and hardy character, make it desirable for both spring and late sowing.

Round or Summer. Adapted for early spring sowing, and quite popular with market gardeners. Leaves thick and large. It stands the winter well.

Large Round-Leaved Viroflay. Large, round, thick and fleshy leaves. Good for early sowing. Quite hardy. One of the best for fall sowing.

Bloomsdale or Savoy-Leaved (Norfolk.) The earliest of all varieties, and one of the best for autumn planting for early spring use. The leaf of this sort is wrinkled in the same manner as the Savoy Cabbage.

Prickly or Fall. A hardy variety, used for fall sowing. With very slight protection it will withstand the severest weather.

Mr. Farmer—You will miss a lot of good things if you don't plant a garden. Make it big enough to cultivate with a horse and save time. Here are a few Vegetables you *ought* to have (maybe you will *want* others):

Danish Ballhead Cabbage (see page 11)

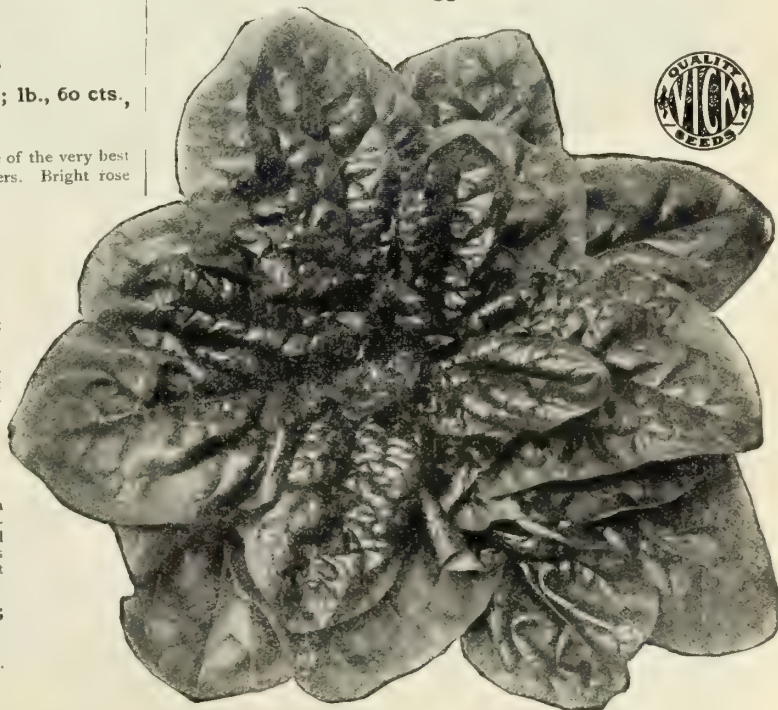
Danvers Yellow Globe Onion (see page 24)

Golden Giant Mangel Wurzel (see page 9)

Chantenay Carrot (see page 12)

Eg Boston Lettuce (see page 20)

Vick's Golden Nugget Sweet Corn (see page 14)



ALL SEASONS SPINACH

PUMPKIN

Plant in hills eight feet apart each way, any time after the middle of May. Avoid planting near other vine crops, as they will hybridize and damage the crop. One ounce will plant about twenty-five hills; four pounds to the acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 85 cents; except as noted.

Vick's Tree Catalogue

Lists the most satisfactory varieties of Fruit and ornamental Trees, Vines, Shrubs, Roses, and small Fruits. Ask for a copy when you send your seed order.



PUMPKIN, SUGAR OR PIE

Winter Luxury. This is the finest pie Pumpkin yet introduced; we cannot recommend it too highly for this purpose. It is also a good keeper, wonderfully productive, while its finely netted skin and golden-russet color make it desirable for market use.

Large Sweet Cheese (Kentucky Field). One of the best for table use, and very productive. Shape flat; skin mottled light green and yellow, changing to a rich crimson color; flesh yellow, thick, and tender.

Sugar, or Pie. A rather small, but handsome variety. Shape round; skin deep orange-colored; flesh fine-grained, sweet-flavored; superior for pies.

Golden Oblong. A productive variety, oblong in shape, growing 16 to 18 inches long. Skin golden orange, thin and tough; almost as good a keeper as the hard-shell winter Squash. Flesh yellow, dry, and sweet; excellent.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs.

Mammoth Red Etampes. Skin brilliant, glossy red; flesh deep orange, very thick. Matures early. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

King of the Mammoths, or Jumbo. The largest of all Pumpkins. Round in shape, flattened at both ends. It is a splendid keeper, and valuable for stock feeding; also desirable for exhibition purposes.

Connecticut Field. The hardiest of all Pumpkins; cultivated mainly for stock-feeding, producing enormous crops. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 40 cents.

Cushaw, or Crookneck. A favorite sort of excellent quality. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.



PARSNIP

Parsnip seed germinates very slowly, and does best in a cool, moist soil, therefore it should be sown as early as possible, in drills from fifteen to eighteen inches apart, and about half an inch deep. One ounce will sow 200 feet of drill; five pounds for an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 65 cents.

Long Hollow Crown (White Dutch or Sugar). The old standard, and one of the best for general farm use and for home or market purposes. Long, smooth, tender, and sugary; very hardy; will keep throughout the winter with very little protection.

Improved Guernsey. Half-long. The roots are not so long as those of the Long Hollow Crown; are larger in diameter and more easily gathered; smooth, fine-grained, and of excellent quality.

Early Short Round. A variety well adapted for hard or shallow soils, and comes into use much earlier than other sorts. Flavor mild and pleasant.

SALSIFY

Sow early in the spring, in drills a foot or more apart, covering the seed not more than two inches in depth. Thin out to six inches apart. A portion of the crop may remain in the ground all winter, like the Parsnip. One ounce will sow 75 feet of drill.

White French. The old favorite variety. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Mammoth Sandwich Island. This is the largest and most profitable Salsify now in cultivation. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.50.

Black, or Scorzonera. A black variety, with a somewhat bitter root. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.75.

SCOLYMUS—Spanish Salsify

More productive than Salsify. The roots resemble a small Parsnip, and will keep through the winter like a Turnip. Cultivate like Parsnips. It is eaten boiled, like Salsify. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

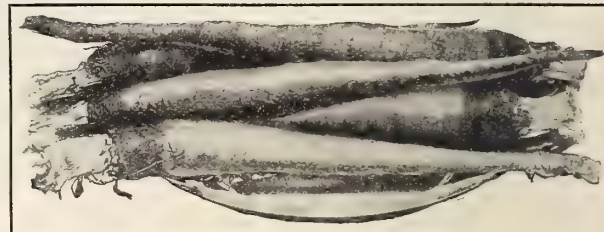
Why we believe Vick Quality Seeds are best:

They are strictly fresh; we sell no old seed.

They are grown by experts, under the best conditions.

They are carefully cleaned; many kinds hand-sorted.

For over 60 years Vick Quality Seeds have given satisfaction.



MAMMOTH SANDWICH ISLAND SALSIFY

SQUASH

Squash likes a rich soil, and it is best to manure in the hill. Plant a dozen seeds in each hill, and when danger from "bugs" is over pull up all but three or four. For bush sorts, make hills four or five feet apart each way, and for the running kinds twice that distance. Winter Squash should be ripened thoroughly, or they will not keep through the winter. One ounce of early varieties for fifty hills and two ounces of late will plant fifty hills; three to four pounds per acre.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25 except as noted; all postpaid.

Summer Squash

Mammoth Bush Summer Crook-neck. The richest and best of the Summer Squashes. Early and productive. Color golden yellow; flavor sweet and rich. It is almost twice as large as the ordinary Summer Crookneck.

Mammoth White Bush Scallop (Silver Custard). The best of the scalloped Squashes. Handsome and of fine quality.

Fall and Winter Squash

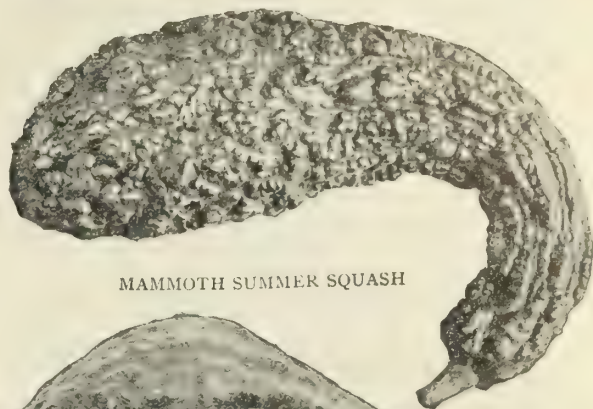
Delicious. In size it resembles the Hubbard. In thickness of flesh it surpasses nearly every variety. The color is a dark orange. For table use no other variety compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness, and exceeding richness of flavor. It is a fall and winter squash. Though at any time excellent, it does not acquire its best quality until winter. Specially reselected strain. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.75.

Early Prolific Orange Marrow.

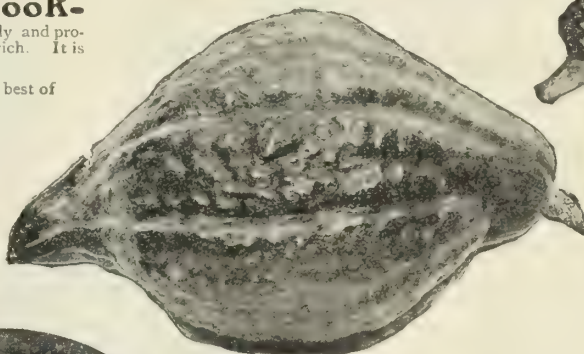
An improvement by selection from Boston Marrow; not so large but much earlier. Skin orange-colored; flesh deep, fine grained, and of delicious flavor.

The Golden Bronze.

Weight from eight to ten pounds; color, a dark grayish green with bronze on the upper surface when ripe; flesh golden yellow, very thick, fine grained, fine, sweet, and of a delicious flavor. Matures early, and is a good yielder and splendid keeper. As a Squash for the table and for pi it has no superior.



MAMMOTH SUMMER SQUASH



HUBBARD SQUASH

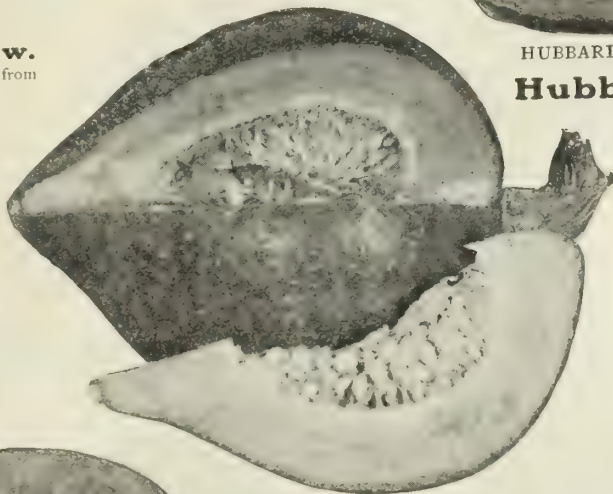
Hubbard. The standard Winter Squash; no better variety grown; more generally cultivated as a late sort than any other. Flesh fine-grained dry, and of excellent flavor.

Chicago Warted Hubbard. This has some points not seen in the old standard, the shell having a dark green, almost a black color; and also distinguished by a dense covering of knots (warts). It is of first-class quality.

New Golden Hubbard. This is a true Hubbard Squash except in color, which is a bright orange-red. The flesh is deep golden yellow.

Fordhook. A very fine winter variety. Shell a bright yellow; flesh straw-yellow, dry and sweet, and of good flavor. Matures early, a sure cropper, and very productive. May be used at any stage of growth.

Essex Hybrid or Hard Shell Turban (Warren). A cross between the Hubbard and American Turban, having the color, shape, and fine quality of the Turban, with the dryness and hard shell of the Hubbard. Flesh thick, fine grained and solid. A good keeper. Very productive, early and of rapid growth.



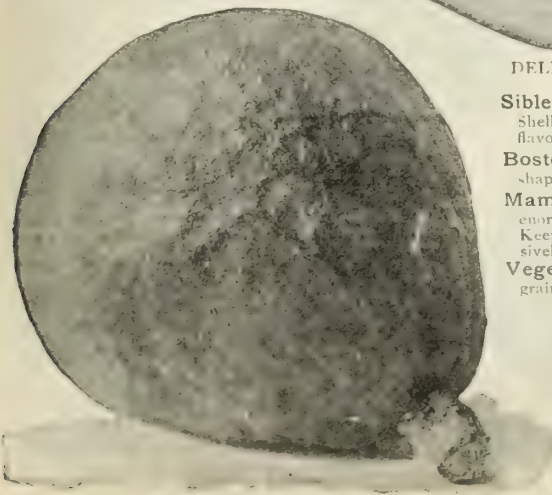
DELICIOUS SQUASH

Sibley, or Pike's Peak. A very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color; flavor rich and delicate.

Boston Marrow. Very popular in the Boston market. Oval shape; skin yellow; flesh orange-colored and fine-grained.

Mammoth Chili. The largest of all Squash; grows to an enormous size. One of the most profitable sorts for stock-feeding. Keeps well throughout the winter. This variety is also extensively grown for fair exhibits.

Vegetable Marrow. Flesh rich, salmon yellow, dry and fine-grained. Excellent as a pie-squash.



GOLDEN BRONZE SQUASH

PLANT THE BEST SEEDS

It doesn't cost as much to tend good plants as it does to bother with poor ones. To get good plants, you must have good seeds. No better seeds are sold than

VICK QUALITY SEEDS





TOMATOES



VERY good plants can be grown in boxes in the house, but to obtain fruit very early, sow in a hotbed in March. In about five weeks plants should be transplanted to another hotbed, setting them about four or five inches apart. Here they should remain, having all the air possible, until after the middle of May, when they may be put out in the ground, four feet apart each way. If not too early or too cold, a coldframe will answer for the first transplanting. The soil for early Tomatoes should not be too rich, and a warm, sheltered location selected, if possible. Pinching off the ends of the branches when the first fruit is set, will hasten the ripening very much. One ounce will produce 2000 plants; one-quarter pound (to transplant) for an acre.

Vick's Improved Strain of the Earliana Tomato

Is entirely distinct from the original Earliana,

which did not ripen around the stem and at the blow end, nor was it round and smooth.

Vick's Improved Strain retains all the good qualities of the original, but is far superior, in that the fruits are **round, smooth and ripen all over**—a well ripened fruit showing no green whatever.

This strain is grown on our Seed Farm, the seed is saved from selected plants and perfect fruits, carefully cleaned and screened, therefore we are absolutely sure of the quality of the seed we offer.

The fruit does not crack; is solid and meaty, with few seeds, and is unequalled in quality by any other early variety. The fruit is remarkable for its large size, perfect form, bright red color, and delicious flavor, which is "just right" for the palate of an epicure.

The plant is of medium size, strong and vigorous, setting the fruits freely, close to the center stems. The plants should be set about three by four feet.

Remember Vick's Strain of the Earliana comes from James Vick's Sons only

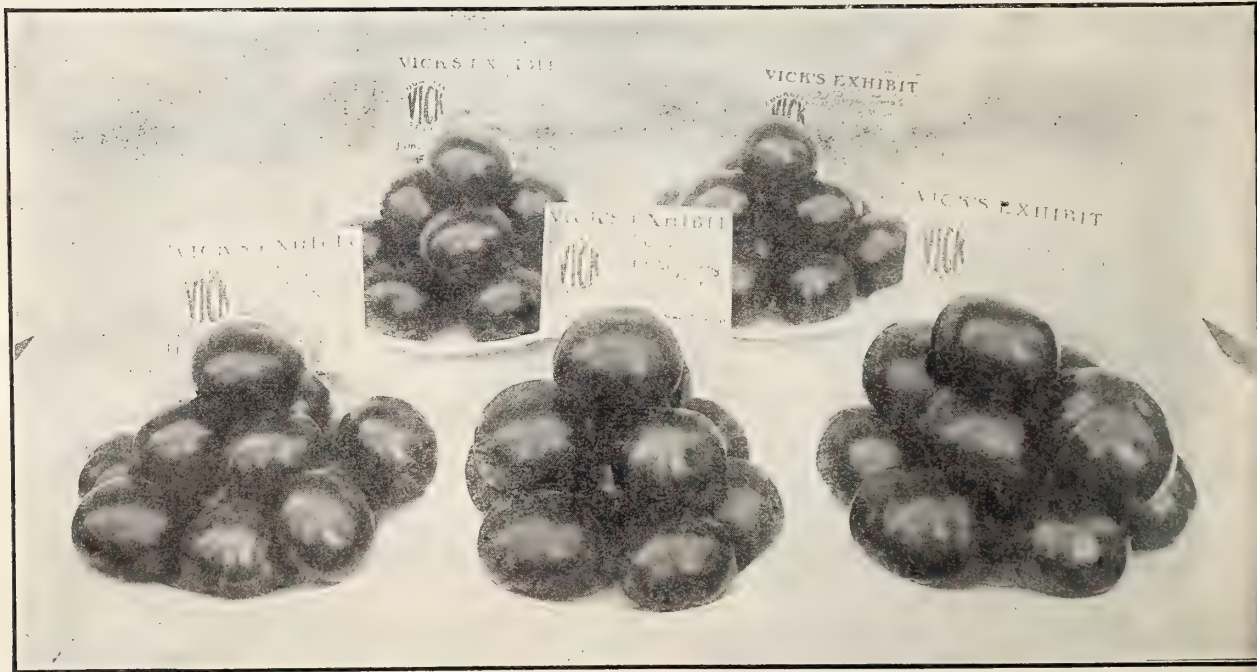
As a crop, Vick's Strain of Earliana Tomato ripens a week ahead of any other variety, coming into market when other sorts are ripening a few scattered fruits. This fact makes the Earliana the most profitable variety ever introduced.

This most valuable variety confirms, by repeated tests, all the praise that has been lavished upon it. Gardeners near Rochester, who supply the large wholesale markets, are enthusiastic admirers, and grow it in preference to any other early tomato. Don't fail to include this variety when making up your seed order.

Packet, 10 cents; half ounce, 35 cents; ounce, 60 cents; quarter pound, \$1.60; pound, \$6.00.

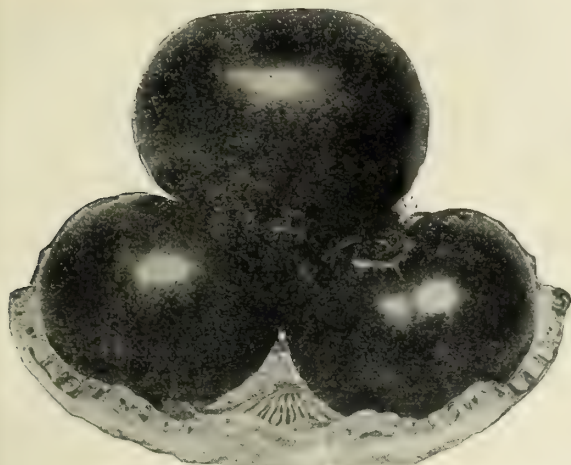
Earliana Tomato Premium Winners

- 1st—F. G. Vogelsang, Fulton, N. Y.
- 2nd—Henry Mollett, Marathon, N. Y.
- 3rd—Frank Foules, Cohocton, N. Y.
- 4th—Mrs. Grace A. McCulloch, Cicero, N. Y.
- 5th—E. Van Allen, Delmar, N. Y.



After Vick's Earliana we recommend these Tomatoes

Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50; except as noted.



STONE TOMATO

Chalk's Early Jewel

A fine second-early Tomato about ten days later than Earliana. Fruit large size and fine flavor. The plants are compact and strong, and when bearing fairly loaded with fruit. One of the best for shipping and the home garden. Continues bearing throughout the Summer. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Bright and Early. A very desirable variety for the home garden. Color a fine, deep red, and very uniform; skin firm and free from cracks; flesh solid, and of the finest flavor. While some large specimens are produced, the average size is slightly below medium; but whatever is lacking in the size of the individual fruit is more than made up in the immense clusters.

Crine's June Pink. An extra early selection from Earliana. The color is a purple pink; the fruit is smooth and the plant a good yielder. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Stone The Best Red Tomato For Garden or Field Ripens for main crop; very large; color bright scarlet; very smooth; ripening even to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper; quality the very best; not subject to rot; its appearance on market remarkably attractive; a heavy variety. It is the standard Tomato for market gardeners and truckers, and superior for canning.

Dwarf Stone. The strong, upright growth allows very close planting. The plants may be set 18 by 24 inches apart and yet produce an abundant crop. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens evenly, and is of most excellent quality. Packet, 10 cents; $\frac{1}{2}$ oz., 20 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Beauty. A decided favorite for either home market or shipping purposes. Hardy, productive, large size, always smooth, glossy crimson with a slight tinge of purple. A great favorite with Florida and long distance shippers.

Royal Red. Bright scarlet and the reddest throughout of any Tomato grown. Large, smooth, solid, and productive.

Red Cherry. Small, perfectly round and smooth, bright red, borne in large clusters. Fine for preserves and pickles.

Yellow Cherry. Differs from Red Cherry only in color.

Husk or Strawberry (Winter Cherry, etc). Fruit golden yellow, size of a cherry. Fine for pies, preserves, or eating from the hand. Packet, 10 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

OTHER STANDARD VARIETIES

Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50.

Honor Bright, Improved Trophy, Ponderosa, Livingston's Favorite, Perfection, Peach.



CHALK'S EARLY JEWEL TOMATO

Livingston's Coreless

The shape of this Tomato is almost round. Immensely productive; clusters of from four to seven fruits are produced at six to eight inches apart along the stem; ripens all over and through and right up under the stem, all at once. The strong outside and inner wall of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping. Color bright red. Packet, 10 cents; $\frac{1}{2}$ oz., 35 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50.

Dwarf Champion

The Standard Variety for all People and Places

Dwarf and compact in habit, the plant growing stiff and upright, with very thick and short-jointed stems, requiring no stakes. Often sold as Tree Tomato. Can be planted as close as three feet. Unsurpassed as a cropper. Color deep red, with a purplish tinge. Round and smooth.

Golden Queen (Queen of the Yellows).

Solid, smooth, large in size, and ripens early. Makes a handsome, rich preserve. This Tomato should be grown in every home garden; its flavor is better and more delicate than that of the red varieties, the flesh finer-grained and very tender. Try it. Packet, 5 cents; oz., 30 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Plum-Shaped Yellow. Handsome in appearance and valuable for preserving. Excellent served raw with pepper and vinegar.

Pear-Shaped Red. True pear-shaped, small, bright red. Used for preserves and for making "Tomato figs."

Pear-Shaped Yellow. Same as the above, except that color is yellow.

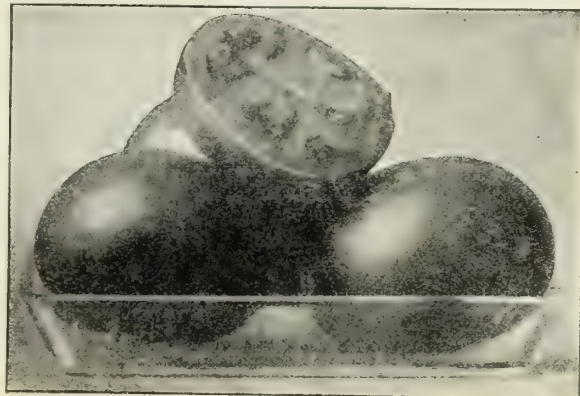
I want to tell you our success with the Earliana Tomato. Last year had bushels that weighed a pound a piece. Set out 68 plants the 20th of May and sold the first ones the 22nd of July, but had them for our own table several days earlier. Sold \$65 worth and had all we could use and gave away a good many.

A market gardener came and looked at the vines and said "they look like the Earliana, but they are too large." Have beaten all concerns in the market with Earliana Tomatoes and Ailsa Craig Onions for the last two years. Have tried other kinds of Tomatoes, but the Earliana is King. F. W. MILLET

Forcing Varieties

Stirling Castle. A fine variety, especially for forcing purposes, and outdoor planting when grown on a single stem. The fruit is round and deep, of medium size, smooth, free from cracks or watery cavities, and almost seedless; color bright scarlet. Very early. Packet, 20 cents.

Lorillard. A good sort for forcing under glass as well as for outdoor culture; bright red, smooth, early. Packet, 10 cents; oz., 35 cents; $\frac{1}{4}$ lb., \$1.00.



DWARF CHAMPION TOMATO



TURNIP, EARLY SNOWBALL

RUTA BAGAS OR SWEDE TURNIPS

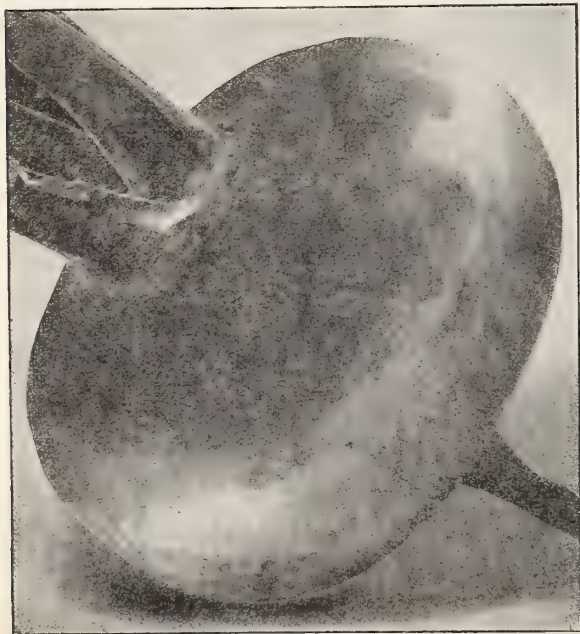
Packet, 5 cents ; ounce, 10 cents ; $\frac{1}{4}$ lb., 20 cents ;
lb., 60 cents.

If you require five pounds of seed or more, write for special quotations. We can furnish large quantities at lower rates.

White Sweet Swede. A large, white, solid Swede, sometimes called White Russian. Quite desirable for table or stock-feeding. A great yielder. Fine form and good keeper.

Vick's Imperial Purple-Top Yellow An excellent variety either for the table or cattle-feeding. Flesh yellow, firm, solid, rich, and sweet. Very hardy, prolific, tender. A splendid keeper.

Laing's Purple-Top Strap-Leaved. A large early sort of fine quality. Flesh yellow, very sweet. Tops peculiar in that they are strap-entire-leaved.



TURNIP, PURPLE-TOP WHITE GLOBE

TURNIPS

SOW in drills from twelve to eighteen inches apart, and half an inch deep. In this climate we sow from the 25th of July, until the middle of August. Swede or Ruta Baga Turnips should be sown the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. One ounce of seed will sow 200 feet of row; and two to three pounds are required for an acre in drills.

Packet 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts.;
except as noted.

Purple-Top Strap-Leaved

Flat, medium size, purple above ground, white below. The most popular variety for early use, either for table or stock.

Early White Flat Dutch, Strap-Leaved. Similar to above. A fine, early, white sort, of quick growth and excellent quality.

Purple-Top White Globe

An improved variety of the purple-top flat Turnip; globular in shape, of fine appearance, a good keeper, of excellent quality, and equally desirable for table or stock.

Extra Early Purple-Top Milan. A white variety, purple-top and strap-leaf. This, with the White Milan, is the earliest of all Turnips; Remains in good condition a long time. Packet, 5 cents; oz., 10 cents. $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Extra Early White Milan. Similar to above except it is pure ivory white in color, and about one week earlier. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Early White Snowball

or Six Weeks. A perfectly globe-shaped, white-skinned Turnip of medium size and excellent flavor. For early sowing this is one of the best, being crisp and tender, and maturing in six weeks from the time of sowing. A good keeper. Fine for family or market. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

White Egg. An excellent variety. Nearly oval or egg-shaped. Flesh firm and fine-grained, and of snowy whiteness. Its flavor is of the very best. Particularly desirable for table. Can be sown as late as the middle of August.

Long White Cow-Horn. A quick-growing sort, half-long in shape fine-grained, sweet, good quality. Roots grow partly above ground. Very productive.

Sweet German. This Turnip is very popular in many sections. It partakes largely of the nature of the Ruta Baga, and should be sown as early. Flesh white, hard, firm, and sweet, with none of the pungency of the common Turnip. Superior for table or for stock. A long-keeper, and generally solid until midsummer. Highly recommended for winter and spring use.

Orange Jelly (True). This is the most distinct yellow Turnip ever offered. It is of very fine texture, and the best, sweetest, and most delicious of the yellow-fleshed varieties. It is of medium size, with small tap-root, a rapid grower, matures early, and keeps well. A superior table variety. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 70 cents.

Robertson's Golden Ball. Similar to Orange Jelly, but larger and not so fine-grained.

Large Yellow or Amber Globe. Good for general crop. Excellent for table or for stock-feeding. Flesh yellow, firm, and fine-grained. A good keeper and cropper.

Yellow Aberdeen. Roots medium size, round, flesh yellow, tender and sugary. Very hardy and productive. A good keeper. Good for both table and stock.

Yellow Stone. One of the best yellow-fleshed sorts for table use and stock.

Pomeranian White Globe. Very productive, in good soil roots frequently grow from ten to twelve pounds. Good for table or stock-feeding.

Large White Norfolk. A standard variety for field-culture for stock-feeding. Grows to a large size and is very productive.

TOBACCO

Connecticut Seed-Leaf. Packet, 5 cts.; oz., 25 cts.
Havana (or Cuban). Packet, 10 cts; oz., 40 cts.

BEANS, CORN AND PEAS IN LARGE QUANTITIES

In the following list we quote prices for seeds by the peck, four quarts, and quart, when sent by freight or express **at the expense of the purchaser.** We deliver them at express offices or railroad depots in this city at these rates, bags, packing, and cartage free, *but in no case can we prepay the charges unless the amount has been previously advanced to us for that purpose.* On all seeds not included in this list, ordered by express or freight to be shipped not prepaid, the purchaser may deduct from the prices given in the preceding pages 10 cents per pound on all seeds quoted by the pound.

BEANS—Wax—Podded.

	Qt.	4 qts.	Peck
Prolific German Black Wax . . .	\$0 35	\$1 25	\$2 25
Golden Wax	35	1 25	2 25
Michigan White Wax	35	1 25	2 25
Rustless Golden Wax	35	1 25	2 25
Wardwell's Kidney Wax	35	1 25	2 25
Refugee Wax	35	1 25	2 25
Davis White Wax, White Seeded	35	1 25	2 25
Yosemite Mammoth Wax	45	1 60	2 75

BEANS—Green—Podded.

Long Yellow Six Weeks	35	1 25	2 25
Extra Early Red Valentine . . .	35	1 25	2 25
Bountiful	35	1 25	2 25
Giant Stringless Green- Pod Valentine	35	1 25	2 25
Extra Early Refugee	35	1 25	2 25
Dwarf Horticultural	35	1 25	2 25
True Bush Lima (Burpee)	35	1 25	2 25
Imp'd Bush Lima (Dreer)	35	1 25	2 25
Wood's Prolific Bush Lima	35	1 25	2 25

BEANS—Pole or Running.

Early Golden Cluster Wax	45	1 60	2 75
Extra Early Jersey Lima	35	1 25	2 25

BEANS—Continued.

	Qt.	4 qts.	Peck
Seibert's Large Early Lima	\$0 35	\$1 25	\$2 25
King of the Garden Lima	35	1 25	2 25
Dreer's Improved Lima	35	1 25	2 25
Large White Lima	35	1 25	2 25
Old Homestead	35	1 25	2 25

SWEET CORN.

Vick's Golden Nugget	35	1 10	2 00
Hiawatha	25	75	1 25
Vick's Earliest of All	25	75	1 25
Mammoth White Cory	25	75	1 25
Metropolitan	25	75	1 25
Kendel's Early Giant	25	75	1 25
Perry's Hybrid Sugar	25	75	1 25
Early Minnesota	25	75	1 25
Crosby's Early	25	75	1 25
Potter's Excelsior (Squa- tum)	25	75	1 25
Early Evergreen	25	75	1 25
Early Mammoth	25	75	1 25
Hickox's Improved	25	75	1 25
Black Mexican	25	75	1 25
Stowell's Evergreen	25	75	1 25
Country Gentleman	25	75	1 25
Mammoth Late Sugar	25	75	1 25

PEAS.

	Qt.	4 qts.	Peck
Vick's Extra Early	\$0 40	\$1 50	\$2 75
Alaska (Earliest of All)	40	1 50	2 75
Gradus (Prosperity)	65	2 40	4 40
Thomas Laxton	65	2 40	4 40
Nott's Excelsior	60	2 25	4 15
Extra Early Premium Gem	55	1 95	3 55
Surprise	50	1 80	3 30
American Wonder	60	2 25	4 15
Bliss' Abundance	50	1 80	3 30
Bliss' Everbearing	50	1 80	3 30
Vick's Daisy	65	2 40	4 40
Horsford's Market Garden	53	1 95	3 55
Imp'd Pride of the Market	1 00	very scarce	
McLean's Advancer	50	1 80	3 30
Telephone	60	2 25	4 15
Long Island Mammoth	60	2 25	4 15
Yorkshire Hero	50	1 80	3 30
Champion of England	50	1 80	3 30
Duke of Albany (American Champion)	50	1 80	3 30
Swastika	65	2 40	4 40
Mammoth Melting Sugar	50	1 80	3 30
Large White Marrowfat	35	1 20	2 20
Large Black Eye Marrowfat	35	1 20	2 20
Canada Field			75

USEFUL HERBS

A very small space in the garden will give all the herbs needed in the family. The culture is very simple, and the best way is to make a little seedbed in the early spring and set the plants out in a bed as soon as large enough. As a general rule it is best to cut the herbs when in flower, tie them up in small bunches, and hang in the shade to dry. We give a list of the herbs generally cultivated and prized. Of some kinds we furnish roots, as will be seen below:

	PKT.		PKT.		PKT.
Anise, per lb., \$1.00; per ounce, 10 cents	5	Hop Seed, per ounce, \$1.50	20	Savory, Summer, per ounce, 15 cents	5
Balm, per ounce, 30 cents	5	Hyssop, per ounce, 25 cents	5	Savory, Winter, per ounce, 20 cents	5
Basil, Sweet, per ounce, 20 cents	5	Lavender, (Lavendula spica,) per oz., 10 cts.	5	Sorrel, French, per ounce, 15 cents	5
Borage, per ounce, 20 cents	5	True, (Lavendula vera,) ounce, 25 cents	5	Tansy, per ounce, 30 cents	5
Caraway, per lb., \$1.00; per ounce, 10 cents	5	Marjoram, Sweet, per ounce, 20 cents	5	Thyme	
Catnip, per ounce, 30 cents	5	Rosemary, per ounce, 40 cents	5	Broad-Leaved, or Winter, per oz., 30 cts.	5
Coriander, per lb., 75 cents; per ounce, 10 cents . .	5	Rue, per ounce, 20 cents	5	Summer, per ounce, 30 cents	5
Dill, per ounce, 10 cents	5	Saffron, per ounce, 10 cents	5	Wormwood, per ounce, 30 cents	5
Fennel, Large Sweet, per ounce, 15 cents	5	Sage, per lb., \$2.00; per ounce, 20 cents	5	Lavender, roots, by mail, each, 15 cts.; two for 25c	
Hoarhound, per ounce, 30 cents	5			Sage, roots, by mail, each, 15 cts.; two for 25c	

BOOKS FOR GARDEN OR GREENHOUSE

Postage or Express Charges prepaid on any of these Books.

Alfalfa. Its growth, uses and feeding value, together with notes on its history, botany, etc. By F. D. Coburn. Illustrated, cloth, 160 pps. 50 cents	The Amateur's Practical Garden Book. By C. E. Hunn and L. H. Bailey. Contains complete directions for growing the commonest of things about the house and garden. \$1.00	Greenhouse Management. By L. R. Taft. A manual for florists and flower lovers on Forcing Flowers, Vegetables and Fruits. \$1.50
Asparagus. Its culture for home use and for market. By F. M. Hexamer. Handsomely illustrated, 5 x 7 inches, 170 pages, cloth. 50 cents	Garden Making. By L. H. Bailey. Contains directions for buildings, fences and hedges, preparation of land, planting trees and shrubs; insects and diseases, tools, laying out grounds, lawn making and planting, pruning trees, raising flowers, vegetables and fruits. \$1.50	Mushrooms. How to grow. 10 cents
Cabbage, Cauliflower and Allied Vegetables. From Seed to Harvest. By C. L. Allen. A practical treatise on the various types and varieties of cabbage, cauliflower, broccoli, Brussels sprouts, kale, collards, and kohlrabi. Illustrated, 142 pages, 12mo, cloth. 50 cents	Horticulturists' Rule Book. By L. H. Bailey. Useful information for fruit growers, florists and gardeners. \$1.50	How to Grow Mushrooms. 1 y Wm. Falconer. A practical treatise on Mushroom Culture for profit and pleasure. \$1.50
Celery Culture. By Prof. W. R. Beattie. In this work complete cultural directions are included, together with the estimate of cost for equipment and running expenses, and a fair estimate of returns from one acre. 50 cents	Onion Culture, The New. By T. Greiner. This work is full of new, original and highly valuable matter of material interest to every one who raises onions in the family garden, or by the acre for market. 50 cents	Roses and How to Grow Them. A manual for growing roses in a garden and under glass. Illustrated, 12mo, 180 pages. \$1.00
How to Make Money Growing Violets. Saltford. 25 cents		The Small Fruit Culturist. By A. S. Fuller. Equally adapted to the needs and requirements of the private cultivator and the large grower. Illustrated. \$1.00
		Strawberry Culturist. By Andrew S. Fuller. Showing the history, sexuality, and best culture; how to fertilize, grow from seed, etc. Illustrated, flexible cloth, 12mo

We can supply (at regular prices) any Horticultural book published. Send us a list of your needs and we will be pleased to quote prices.

AT PRICES quoted in this Catalogue we will prepay the Postage or Express Charges, unless otherwise noted. Most other seedsmen ask you to pay these items.

Lawn Grass Seed that will Grow No chaff, weeds nor dirt in Vick's Velvet Mixture



To make a perfect lawn good seed is absolutely essential. Vick's Velvet Lawn Grass is composed of pure seed, and contains no chaff nor weed seeds. A velvet lawn is assured in six weeks after sowing Vick's Velvet Lawn Grass Mixture.

The Velvet Mixture contains all of the very best varieties of grasses suitable for making a Lawn beautiful in appearance, durable and lasting, and which will stand the frosts of winter and the hot sun of summer, showing a deep rich green at all seasons. The seed used is pure and heavy and especially cleaned. There is a great difference in the quality of Lawn Grass Seed. Our formula includes all the best grasses for the purpose, with an allowance of white clover. The seeds have all been re-cleaned, are free from weeds and grown especially for our trade. We have received many flattering testimonials as to the quality of Vick's Velvet Lawn Mixture. Per quart, 35 cents; lb., 50 cents; postpaid. Peck, (5 lbs.) \$1.60; bushel (20 lbs.) \$5.50; express or freight not prepaid.

FOR a fine lawn make the soil light and mellow, so that it will not bake after a rain; and if it is very heavy or clayey, cover the surface with a light coating of fine manure after sowing the seed. For small plots sow about one quart of Vick's Velvet Lawn Seed to a square rod, which will make a beautiful thick turf. For larger areas we present a table showing how much seed is required for any number of square feet:

For 1 acre, 43560 square feet . . . 5 bu. or 100 lbs.	For 1/3 acre, 14520 square feet 33 1/2 lbs.	For 1-12 acre, 3630 square feet 8 1/2 lbs.
" 1/2 " 21780 " " . . . 2 1/2 " 50 "	" 1/6 " 7260 " " 17 "	" 1-16 " 2723 " " 6 "
" 1/4 " 10890 " " . . . 1 1/4 " 25 "	" 1/8 " 5445 " " 12 1/2 "	" 1-32 " 1362 " " 3 "

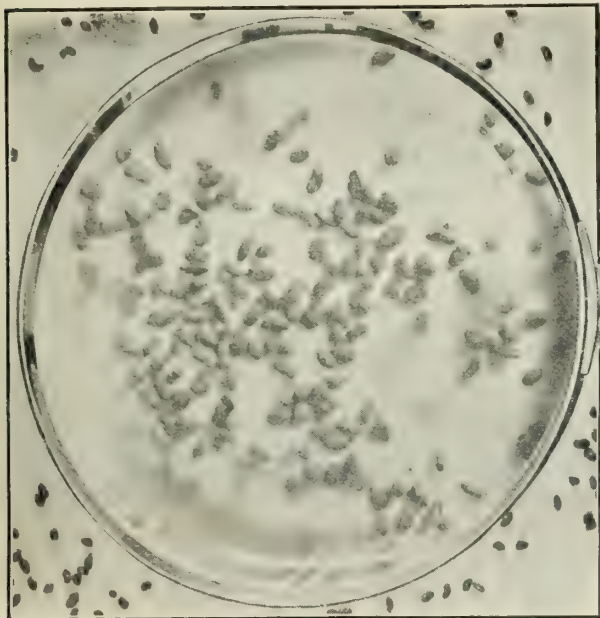
Sow as early as possible in the spring, so as to get the benefit of early spring rains. If it is not convenient to sow then, wait till September:—do not sow during the summer months. After sowing, rake seed in thoroughly so that it will be well covered. Rolling improves the appearance of any lawn, and frequent mowing is of course necessary.



You won't have to carry a book of instructions to the garden if you use Vick's Seeds—complete cultural directions are printed on every packet—and the directions as well as the seeds are reliable.



Get a Glass and Look at our



Alfalfa Seed

You will find it

FREE

From Dodder

From Weeds

From Dirt

The United States Department of Agriculture says in a recent bulletin: "The greatest care should be taken to get seeds free from weeds.—Dodder is one of the worst weeds so far as Alfalfa is concerned."

The increase in the demand for Alfalfa Seed is owing to the fact that it is unequalled as a hay crop, rich in protein, and yields from three to four cuttings a season. The most important point in growing Alfalfa is good seed, seed that is clean and free from dodder and other noxious weeds. For several years we have been striving to obtain seed containing these qualities, and are pleased to inform our customers that we have at last succeeded. In addition, it is much hardier than the ordinary run of seed, and will grow and thrive in all sections of New York and other States, where hay is produced.

The seed we offer is all 1910 crop, therefore sure to grow. The seed has been thoroughly cleaned, and is positively free from dirt, dodder and weeds.

Vick's Golf Mixture

For Golf Grounds we make two mixtures: One for Putting-Greens, and another for Fair-Greens. Both are the results of careful trials, and can be relied on to give satisfaction.

Putting-Green Mixture. Sow 80 pounds per acre. Per pound, 50 cents, postpaid. 5 lbs., \$1.60; 10 lbs., \$2.75; 20 lbs., \$5.50; 100 lbs., \$26.00; express or freight not prepaid.

Fair-Green Mixture. Sow 80 pounds per acre. Per pound, 50 cents, postpaid. 5 lbs., \$1.60; 10 lbs., \$2.75; 20 lbs., \$5.50; 100 lbs., \$26.00; express or freight not prepaid.

At the price per bushel and peck we ship by Express or Freight, not prepaid. No charge for bags, packing, or cartage.

Pulverized Sheep Manure

A pure, natural, odorless fertilizer and the most nutritious food for all vegetable growth. The best for lawn and garden. Its effect is immediate, lasting, and it can be applied without risk. On lawns its effect is readily apparent and it should be applied either in spring or fall to achieve the best results. One ton is sufficient for an acre, and 12 pounds for a plot 15 by 20 feet. 6 lbs., 35 cents; 25 lbs., 75 cents; 50 lbs., \$1.25; 100 lbs., \$2.00; by express or freight, charges not prepaid.

The quantity of seed necessary to sow an acre varies in different localities. The Government advises for the Eastern States 24 to 28 pounds; Middle West 20 to 24 pounds; Far West 10 to 15 pounds. However, careful experiments have shown us that not less than 30 pounds is a fair quantity to use in the Northern States.

Any one contemplating growing Alfalfa should not fail to send for sample, and if so disposed, have it tested by your Experimental Station. With every order we will include or mail in advance a pamphlet, published by the New York State Experiment Station, entitled: "Suggestions for Growing Alfalfa."

One ounce, 10 cents; pound, 60 cents, postpaid
Special price on bushel quantities

Vick's Shady Spot Lawn Grass

For shaded corners or under trees, where ordinary grasses will not thrive. Per quart, 35 cents; per lb., 50 cents, postpaid. Peck, (5 lbs.) \$1.60; bushel (20 lbs.) \$5.50. Express or freight charges not prepaid.

Genuine Peruvian Guano

ANALYSIS

Nitrogen	2.34%
Ammonia	2.85%
Total Phosphoric Acid	15.25%
Available Phosphoric Acid	7.90%
Potash available	2.44%

This Guano is the excrement of sea birds found on the islands off the coast of Peru. The birds feed upon fish, so that the material is really digested fish scrap. The fertilizing elements are soluble in water and are available at once. For ordinary crops use about 400 pounds an acre; for special working and gardening use 600 to 1000 pounds an acre. Sold only in 200 pound bags, \$5.00; Ton \$40.00. Delivered at freight house, Rochester.



MEADOW SCENE ON FLMTREE FARM, CHARLOTTE, N. Y.

EXTRA CHOICE GRASS SEEDS

While we quote some sorts by bushel or 100 pound rates these figures are merely suggestive—the markets on grass seed varying from day to day, but we invite inquiries from intending purchasers to whom we will cheerfully quote best prices by return mail. We invite correspondence on the subjects of agriculture and allied interests, and will gladly give what information lies in our power.

At pound price we prepay postage. Pecks or Bushels by Express or Freight at Expense of Purchaser

Creeping Bent, or Florin (*Agrostis stolonifera*). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. 2 to 2½ bushels per acre. Bushel, 20 pounds. Pound, 45 cents; 100 lbs., \$30.00.

Red Top, fancy (*Agrostis vulgaris*). Valuable in a mixture for either lawns, pastures, or meadows, growing in almost any soil, moist or dry. For lawns forty-five pounds; for pasture twenty-five to thirty pounds per acre. Fancy cleaned. Pound, 30 cents; 100 lbs., \$18.00.

Red Top. Pound, 25 cents; peck, 75 cents; bushel, (14 lbs.) \$2.50; 100 lbs., \$16.00.

Bermuda Grass. Invaluable for crop in the South, standing a greater degree of heat than any other known grass. Pound, 70 cents; per 100 lbs., \$50.00.

Sweet Vernal Grass, TRUE PERENNIAL (*Anthoxanthum odoratum*). The chief merit of this grass lies in its fragrant odor. In a mixture for lawns and pasture lands it is invaluable. Per lb., \$1.00; ounce, . . . 15
ANNUAL SWEET VERNAL, per lb. . . . 40

Tall Meadow Oat Grass (*Avena elatior*). Valuable for pasture. The most promising for replacing prairie grass at the west. Four bushels to the acre. Bushel, 13 pounds. Pound, 40 cents; 100 lbs., \$20.00.

Hungarian Brome (*Bromus inermis*). A perennial grass especially suited to dry lands and regions subject to severe droughts. It does well in all parts of the country, North and South. It grows most rapidly in sandy soils, but will establish itself on the heaviest lands. 25 pounds of seed per acre. Bushel, 14 pounds. Pound, 30 cents; 100 lbs., \$15.00.

Orchard Grass (*Dactylis glomerata*). One of the very best pasture grasses, exceedingly palatable to stock, will endure a good deal of cropping. One and one-half to two bushels per acre. Bushel, 14 pounds. Pound, 45 cents; 100 lbs., \$22.00.

Meadow Fescue (*Festuca pratensis*). Excellent pasture grass. Sow in a mixture with other grasses, as Orchard Grass, Rye Grass, or Kentucky Blue Grass. 40 lbs. per acre. Bushel, 22 pounds. Pound, 40 cents; 100 lbs., \$25.00.

Perennial Rye Grass (*Lolium perenne*). Valuable for permanent pasture, in mixture with other pasture grasses. One and one-half to two bushels per acre. Bushel, 24 pounds. Pound, 30 cents; 100 lbs., \$9.00.

Italian Rye Grass (*Lolium italicum*). Used in Europe for soiling. Gives early, quick and successive growth, till late in fall. Two bushels to the acre. Bushel, about 18 pounds. Pound, 30 cents; 100 lbs., \$9.00.

Hungarian Grass (*Panicum Germanicum*). Valuable soiling plant. May be sown as late as first of July, and produce a large green crop. One bushel to the acre. Bushel, 48 pounds. Pound, 20 cents; bushel, \$2.50.

German, or Golden Millet. Medium early forage plant, prolific in stalk and grain; 38 pounds per acre. Bushel, 50 pounds. Pound, 20 cts; bushel, \$2.50.

Japanese Barnyard Millet (*Panicum Crus-Galli*). Enormously productive yielding from four to six tons of cured forage per acre, on rich soils. Six to eight feet in height. Sow in May. Broadcast, ten to fifteen pounds per acre; or in drills, eight pounds per acre. Pound, 25 cents; 100 lbs., \$8.00.

East Indian or Pearl Millet (*Penicillaria spicata*). Grows from eight to ten feet high. When cultivated for fodder, sow in drills three feet apart, and thin out to one foot apart in the rows. Four to six pounds per acre. Pound, 20 cents; 100 lbs., \$7.00.

Siberian Millet. A new and wonderfully productive forage plant from Russia; extremely hardy; about four feet in height. The hay and fodder are very nutritious and much liked by all kinds of stock. Sow in April, May, or June, one peck to the acre. Pound, 20 cents; 100 lbs., \$7.00.

Timothy (*Phleum pratense*). A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils it will produce more than any other sort. One-fourth to one-half bushel per acre. Bushel, 45 pounds. Pound, 20 cents; bushel, market price.

Kentucky Blue Grass (*Poa pratensis*). In conjunction with White Clover it forms the finest and closest turf. As a pasture grass it furnishes the most nourishing food for cattle of any kind, until winter; thrives on a variety of soils, but does best in dry and somewhat shady localities. Sixty pounds for lawn and twenty pounds per acre for pasture. Extra fancy, re-cleaned. Pound, 40 cents; per bushel, \$3.00; 100 lbs., \$20.00.

Rough-Stalked Meadow Grass (*Poa trivialis*). One of the most valuable grasses to cultivate in moist, rich, sheltered soils. One and a half bushels per acre. Bushel, 14 pounds. Pound; 60 cents; 100 lbs., \$40.00.

Special Grass Mixtures

These Mixtures contain over a dozen of the best permanent grasses, both American-grown and imported. All are permanent, and when once established will last indefinitely, if the soil is kept up by occasional top-dressing.

Standard Hay Mixture. For general hay lands; containing six varieties of grasses. Pound, 25 cents; bushel, \$2.25.

Standard Pasture Mixture. For ordinary pastures, where the land is neither very wet nor very dry. Pound, 25 cents; bushel, \$2.25.

Dry Pasture Mixture. For high and dry pastures; containing grasses that withstand exposure and severe weather. Pound, 25 cents; bushel, \$2.25.

Wet Pasture Mixture. Made up of grasses especially adapted to damp places. Pound, 25 cents; bushel, \$2.25.

All the above mixtures are made up to sow 42 pounds to the acre. Mixed Clover for permanent pastures, 10 pounds, sows one acre, \$2.50.

At the prices given we do not prepay carrying charges. Not less than 25 pounds at 100 pound rate. No charge for bags or packages.

Prices on bushels and 100 lbs. subject to change without notice.



FIELD OF AMERICAN BANNER OAT. (See page 42)

VICK QUALITY FARM SEEDS

At Pound or Quart, we Prepay Postage. Pecks or Bushels by Express or Freight at Expense of Purchaser
Special Prices on Large Quantities

ARTICHOKE

Jerusalem Artichoke (*Helianthus tuberosus*). Artichokes are planted same as potatoes. Four bushels will produce 1200 bushels of roots. It is very hardy, and will stand freezing and thawing, and hogs will grow faster and become more healthy on this than on any other feed. **Quart, 35 cents; peck, 75 cents; bushel, \$2.50.**

BEANS

Soja Bean (*Glycine hispida*, or *Soja hispida*). Valuable as a forage crop and for fertilizing the soil. Thrives well in hot and dry weather. Sow broadcast one-half bushel to the acre, or plant in drills three feet apart and one foot between plants. **Pound, 25 cents; bushel, \$3.50.**

Velvet Bean (*Mucuna utilis*). Used by farmers in the Southern States as a forage plant, and also as a fertilizing plant for turning under. Its nitrogen-gathering properties are said to surpass those of the Cow Pea. Stock readily eat the vines and leaves, and the beans when ground, with or without the pod, are used in place of oats or corn, and sometimes mixed with them. Two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two or three feet thick with a mass of foliage and vines, no matter how poor the soil. **Pound, 25 cents; peck, \$1.50; bushel, \$5.00.**

BROOM CORN

Improved Evergreen. This variety is now grown more extensively than any other, on account of its straight, long, light green brush. It is very productive. Sow six pounds to an acre. **Pound, 25 cents; 100 lbs., \$8.00.**

COW PEAS

This pea has always been valuable for improvement of the soil. It is considered superior to clover for plowing under as a preparation for wheat, as it matures the first year from seeding. Plant seed in a thoroughly pulverized warm soil. If wanted to plow under for manure, sow in drills one foot apart. If grown for fodder, or for the seed, plant three feet apart and cultivate thoroughly. **Black Eye, Clay, Wonderful, Whippoorwill, Mixed.**

All varieties at the Market Price. Write for prices.

RAPE, Dwarf Essex, English

Especially good for feeding sheep, but cattle, pigs, and milch cows do very well upon it. Sheep should have access to a grass pasture, on which they will feed alternately with the Rape, thus keeping them in the best condition. A constant supply of salt in the Rape field is quite beneficial. For sheep pasture, sow in May, and it will be ready for pasturing in July and August. Or sown in June, or even up to the latter part of July, it will furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; broadcast, ten pounds to the acre. **Pound, 25 cents; 100 lbs., \$10.00.**

SORGHUM

When wanted in larger quantities than quoted, ask for special prices.

Early Amber. This variety is coming into general use for summer fodder for cattle in place of sowed corn, yielding two crops in a season. It is claimed to keep up the flow of milk, and cows like it better than any other feed. It is also easily cured, and makes excellent dry fodder. Three to four pounds are sufficient for an acre, in drills thirty inches apart, sowing the seed thick and shallow in the row. **Pound, 25 cents; 100 pounds, \$6.00.**

Kaffir Corn. This will do well wherever Amber Cane will grow. It is used as a green fodder. **Pound, 25 cents; 100 lbs., \$6.00.**

Millo Maize. When cut for feeding it starts again from the remaining stumps with renewed strength and vigor; thrives in the hottest and driest localities. It is relished by cattle, hogs, etc., etc. **Pound, 25 cents; 100 lbs., \$7.00.**

Jerusalem Corn. Belongs to non-saccharine Sorghums. It is considered a good sure grain for dry sections and seasons. It produces several small heads on side shoots, often as many as eight heads on a stalk. Three pounds will plant an acre. **Pound, 25 cents; 100 lbs., \$8.00.**

Johnson Grass (*Sorghum Halapense*). Popular in the Southern States, where it is considered one of the most valuable forage plants. One bushel per acre Bushel, 25 pounds. **Pound, 25 cents; 100 lbs., \$9.00.**

SUNFLOWER

Mammoth Russian. Highly valued by farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. Sow seed as soon as the ground is warm, in hills four feet apart each way. Three pounds of seed will plant one acre. Yields from fifty to seventy bushels per acre. $\frac{1}{4}$ pound, 10 cents; $\frac{1}{2}$ lb., 15 cents; lb., 25 cents; 100 lbs., \$7.00.

HEDGE PLANTS

HONEY LOCUST

Gleditsia triacanthos. One of the most valuable native trees, on account of its rapid growth and the longevity of the timber. The seeds are very slow to germinate, and should be treated with hot water. Take up small plants and heel in; cover the plants in the fall and set out the next spring. About 175 seeds to the ounce. **Ounce, 10 cents; lb., 60 cents.**

OSAGE ORANGE

Maclura aurantiaca. Used extensively as a hedge plant. It is easily kept dwarf by cutting back. Sow last of May. About 600 seeds to the ounce. **Ounce, 10 cents; lb., 60 cents.**

CLOVER

Special Quotations for Large Quantities

Our Clover Seed is positively free from weed seeds, and by test is of the highest germinating quality. If you place your orders with us you may be sure they will be promptly filled with stock that cannot be excelled. As for price, we shall make it just as low as market conditions will warrant; but, as has been the case for several years, the visible supply of clover is limited, therefore it will be to your advantage to order early, thus making sure of your seed and getting a lower price.

"KING BRAND" of Clover and Timothy

King brand appears upon our highest grades of both Timothy and Clover, and indicates that the seed is pure, fresh, and of the highest vitality.

A-1 brand is used upon grades which are perfectly pure, but not as handsome appearing.

The Timothy especially is a greater part of it hulled, owing to the fact that it is fully ripened, and the hull separates from the seed in the cleaning process, but this does not in any way injure the vitality, as matured seed will always grow.



	Per 100 lbs.,	charges not
	postpaid.	prepaid.
King Timothy .25	Prices on	
A-1 Timothy .20	Application	
	Per 100 lbs.,	charges not
	postpaid.	prepaid.]
	Prices on	
	Application.	

King Red Clover35

A-1 Red Clover30

Samples furnished free upon application. Special quotations on large quantities.

Scarlet, or Crimson (*Trifolium incarnatum*).

Most valuable crop for green manuring, soiling, hay, pasture, and ensilage. It is an annual and must be sown every year. Improves worn out and poor soils, and is the **cheapest** and best fertilizer. Should be sown in August and September. Sow 10 to 15 pounds per acre. Bushel, 60 pounds. **Pound, 25 cents; bushel, market price.**

Alsike, or Swedish (*Trifolium hybridum*). Thrives in rich, moist soil. Does not succeed on high, dry lands. Eight pounds per acre. **Pound, 30 cents; bushel, market price.**

White (*Trifolium repens*). Valuable to mix with lawn grass; should be in every mixture for permanent pasture. 10 lbs. to the acre, half the quantity when sown with other grasses. **Ounce, 10 cents; lb., 35 cents; 100 lbs., market price.**

Sweet, or Bokhara (*Melilotus alba*). Makes excellent food for bees. **Ounce, 10 cents; lb., 40 cents.**

RYE

Spring Rye. This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so produced for several years. The standard variety for spring planting. Sow about 1½ bushels to the acre. **Peck, 60 cents; bushel, \$1.75.**

White Winter. Much prized for its straw, also for plowing under as a green manure. The ordinary fall-sown variety, of which we offer choice selected stocks only. **Peck, 60 cents; bushel, \$1.75.**

WHEAT

SPRING—Peck, 70 cents; bushel, \$2.50

WINTER—Peck, 60 cents; bushel, \$2.50.



SWEDISH OR
WASHINGTON
OAT

OATS

Swedish or Washington

The Ideal Oat for the American Farm

This superb variety is undoubtedly the heaviest cropping white Oat ever offered, having yielded over 100 bushels to the acre and ordinary crops going sixty bushels and over.

It is practically immune from rust, is the earliest and most bountiful cropper of the heavy growing sorts.

Being a very deep rooter it resists drought more easily than others. The grains are absolutely white, thick and plump and very thinly hulled, making them most valuable as a feeding Oat. Although succeeding best on clay soils it has yielded generous amounts under all conditions. The straw is long and stout, and consequently stands up well, and does not lodge nor twist. Sow three bushels per acre.

Pound, 25 cents; three lbs., 60 cents; peck, 50 cents; bushel, \$1.85.

Vick's Improved American Banner Oat

This oat still stands at the head of all the oats sold in the market today. This fact is proved by the yearly increase in acreage sown, and the greater territory over which its fame spreads from season to season. The man who placed a trial order last year will order enough for his entire crop this season. An average of eighty pounds has been raised from one pound of seed, and 100 bushels raised from an acre. The grain is white, large, and plump, ripens early; straw stiff and of good length. **Postpaid, pound, 20 cents; three lbs., 50 cents. Peck, 50 cents; bushel, \$1.35.**

BARLEY

Hulless. Hulless, like wheat, when threshed. Ripens early and yields about ten bushels more per acre than other barley. **Pound, 25 cents; peck, 75 cents; bushel, \$2.25.**

Early Russian Six-Rowed. Formalting it has no equal; and the yield, as compared with other varieties, is enormous. **Peck, 60 cents; bu., \$2.00.**

Champion Beardless. Early and prolific. **Peck, 75 cents; bushel, \$2.25.**

Manshurey. The most productive six-rowed variety. Ripens early, with strong, stiff straw. **Peck, 60 cents; bushel, \$2.00.**

BUCKWHEAT

Japanese. The yield of this variety is largely in excess of the old sorts. The straw is heavier and more branching, kernels twice the size of the old kinds, and it ripens a week earlier. The flour from this variety is superior to that obtained from any other sort, except Silver Hull. **Pound, 20 cents; peck, 50 cents; bushel, \$1.75.**

Silver Hull. The best for flouring purposes. Kernels smaller than Japanese, silvery gray in color. **Pound, 20 cents; peck, 50 cents; bushel, \$1.75.**

FIELD CORN. See page 16.

At the pound price, we prepay postage; at the bushel price we ship by Express or Freight, not prepaid. ☞ Prices on pages 39, 40, 41 and 42, subject to market fluctuations without notice.

OUR COLLECTIONS OF FLOWER SEEDS

That our friends may have gardens that will produce an abundance of blooms for cut flowers as well as for bedding purposes, we have prepared these collections, and offer them at special rates. They are packed before the opening of the season and cannot be changed in any way. No Premium nor Discount will be allowed on these Collections, but in all Cases we prepay the postage.

Vick Quality Aster Collection

If you saw the magnificent display of Asters made by our customers at the New York State Fair in response to our Premium Offer, it doubtless filled you with a desire to grow such Asters in your own garden. So we are going to give you the opportunity. Here are six superb varieties, and the price is the same as last year,—\$1.00 postpaid; it will surely be the best dollar you ever spent.

Vick's Mikado Rochester Vick's Hohenzollern White
Vick's Branching Pink Vick's Rose King
Vick's Branching White Vick's Violet King

Vick's How to Grow Asters

Collection of six of the recent introductions,
and "How to Grow Asters" postpaid, **\$1.00**

Branching Aster Collection

This collection gives a full assortment of the colors found in the Branching Class. These are unsurpassed for cutting; a harmonious color scheme for decorative purposes can easily be selected from these seven varieties.

White, Pink, Rose, Crimson, Purple, Lavender, Dark Violet.

Packet, 10 cents; one packet each of seven colors, 50 cts.;
postpaid. See page 49.

How to Grow Asters Their Culture and Care

Revised edition now ready. Contains many new points of value, and is a practical instructor for the Aster grower. Free with an order for Vick's Aster Seed amounting to 25 cents, or sent postpaid on receipt of 10 cents without order for seed.

Climbing Nasturtiums

Who does not admire a brilliant display of Nasturtiums?

Their glowing colors are always beautiful when seen amid the rich green foliage. The climbing varieties in this collection are the very choicest selections from a large list, while the dwarf sorts have been tested and tried by thousands of our customers.

Eighteen varieties in separate packets, for 50 cents,
postpaid. See page 60.

Collection of Dwarf Nasturtiums

Eighteen varieties in separate packets 50 cents.

Snapdragon (Antirrhinum)

The old favorite Snapdragon is growing in popularity as a bedding plant, owing to the great variety of colors and the long time the plants remain in bloom.

Scarlet and Yellow.....	.05
Striped.....	.05
Yellow.....	.05
White.....	.05
Blood Red and White.....	.05
Orange and Scarlet with White Throat.....	.05
Crimson with White Throat.....	.05
Rose.....	.05

Collection of eight packets, postpaid, for 30 cents.

Vick's Collection of Verbenas

Striped Scarlet Pure White

Three varieties in separate packets, 25 cents postpaid.

Vick's Pansies in Mixtures

For over a year we have been studying just what sort of Pansy offer we could make in 1911; from the varieties listed by the most famous German grower we have selected what we consider to be the very cream of the new Pansies. They were tested last year on our trial farm and the flowers were exquisite in form, color and shades. We have retained the old names for the mixtures, but the varieties are new; we know they are the ones that will please you.

Vick's Giant Superb Mixture. The very finest and largest varieties. Unequalled by any mixture ever offered..... .50

Vick's Peerless Mixture. Unsurpassed by any mixture sold by any other seedman; second only to our Superb... .25

Vick's Masterpiece Mixture. A new mixture that our grower has been working on for a number of years. It includes all the choicest varieties in the famous Masterpiece or Giant Five-spotted class and presents a charming combination of colors. Our cover illustrates this new mixture, and while someone may think the flowers are too large, we know from actual measurements they are only natural size..... .30

Giant-flowered Mixture. Made from our own Giant-flowered list..... .10

Vick's Collection of Phlox Drummondii Grandiflora

Phlox is one of the most satisfactory Annuals for bedding, blooming early in June to late Fall. Nothing equals it for massing.

Fourteen different colors in separate packets for \$1.10.
Seven different colors for 55 cents.

Vick's Collection of Poppies

A novel as well as showy display is made by a choice selection of Poppies. Novel, because few people grow such a selection as this; showy, because of the combination of colors—white, scarlet, pink, rose, carmine, as well as blotched and striped.

American Flag, Snow White bordered with Scarlet, double.. .05

White Swan, Double fringed, White..... .05

The Tulip, Large single Scarlet, fine..... .05

Cardinal, Large single, in variety of colors..... .05

Shirley, One of the best and most showy of the single

Poppies. All colors..... .05

Golden Gate, Semi-double, a great variety of colors..... .05

Collection of six choice varieties, postpaid, for 25 cents.

Collections of Sweet Peas

No flower surpasses the Sweet Pea in popularity, but most people buy just "Sweet Peas" without thought of an assortment of colors or varieties. To overcome this we have for several years put up these two collections and in every case they have given the utmost satisfaction. If you haven't room for a garden you can surely grow a row of Sweet Peas near the fence—and just think how beautiful they are when in bloom. Each variety is packed in a separate envelope. The assortment of 20 varieties gives a general collection of colors, but the 40 varieties furnish a gloriously beautiful display of the best 20th century varieties.

Collection of twenty varieties, postpaid, for 25 cents.

Collection of forty varieties, postpaid, for 40 cents.

For description, see page 68.

"The Best Display Ever Made at the Fair"

Not in a Spirit of Boasting

But as a statement of facts, do we say that we have given to the public more high quality Asters than any other seed firm in the world; that we devote more land to raising Asters for seed than any other grower; that when you use Vick's Asters you are sure of the BEST.

The Asters from your seeds last summer were not excelled by any florists in this city.

H. G. Sandford,
Manchester, N. H.

WHEN all the visitors express themselves in just one way, it shows that the Vegetables and Flowers grown by our customers and exhibited at the New York State Fair were far superior to any varieties shown at any similar place; expressions of delight and admiration were heard on every hand during the week of the Fair. Asters grown by our customers were received from Maine to Oregon, and from Canada to Alabama. The specimens were superb—in fact it gave the judges a difficult task to select specimens for premiums. The State Fair Commission appointed Messrs. W. C. Hewson and John Hall to judge the Asters, and these gentlemen were entirely impartial and the flowers were judged strictly on their merits.

We wish it could have been possible for us to have awarded premiums to all who sent specimens, but the great number of entries made this impossible. However, we have decided to again offer premiums for Asters to be exhibited at the New York State Fair this year, and have also decided to increase the number of premiums from four to five—thus giving a greater opportunity for our friends to win a premium—and making the total amount \$25 larger. So for 1911 we offer

More than Repaid

Allow me to say I attended the State Fair and felt more than repaid had I seen nothing else beside your gorgeous display of Asters.

Very truly,
Mrs. L. N. Beebe,
Hammondsport, N. Y.

A Thing of Beauty

Your six novelty Asters, that I sent for last spring are at the present time "A Joy Forever." It was a dollar well invested. The Royal Purple is something grand.

J. M. Reen,
Syracuse, N. Y.
Sept. 1, 1910

\$225 in Premiums for Vick Quality Asters

To be Exhibited at the New York State Fair, Syracuse, N. Y., September 11 to 16, 1911.

The varieties are practically the same as last year, offering the same range of colors, but presenting one of our new varieties, Vick's Rose King.

Class A—Premium for each of the Six Varieties

1st Premium, \$10

2nd Premium, \$ 6 3rd Premium, \$ 4

4th Premium, \$ 3 5th Premium, \$ 2

You may enter any one or all of the following six:

- 12 blooms Vick's Mikado "Rochester"
- 12 blooms Vick's White Hohenzollern.
- 12 blooms Vick's Branching Pink.
- 12 blooms Vick's Branching White.
- 12 blooms Vick's Rose King.
- 12 blooms Vick's Violet King.

Flowers in Class A cannot be entered in any other Class.

Notice—You are not barred from entering for Premiums in Class A and the Grand Collection Premium, provided you send the proper number of flowers for both classes, and notify us of your intention to compete in both classes.

The same conditions govern both the Aster and the Vegetable contests (see pages 1 and 2)

We suggest that you buy **Vick Quality Aster Collection** (see page 43). This gives the complete assortments called for in both contests. Should the flowers of one variety be injured, you would still have the other varieties to enter in Class A. By this plan you are sure to have something good to exhibit, and who knows but what your Asters may win a premium?

Grand Premium for Vick Quality Aster Collection

Twelve (12) blooms each (72 blooms in all)

- 12 blooms Vick's Mikado "Rochester."
- 12 blooms Vick's White Hohenzollern
- 12 blooms Vick's Branching Pink.
- 12 blooms Vick's Branching White.
- 12 blooms Vick's Rose King.
- 12 blooms Vick's Violet King.

1st Premium, \$25

2nd Premium, \$20 3rd Premium, \$15

4th Premium, \$10 5th Premium, \$ 5

Flowers entered for the Grand Premium will not be permitted to enter in any other class.

A Half Dozen Comet Asters from Vick's Farm

VICK'S MIKADO PINK "ROCHESTER"

No flower introduced in recent years has created such a furor as this magnificent Vick's Mikado Pink Aster, "Rochester." Within a year after we first presented it to the public the Chamber of Commerce of Rochester recommended that it be adopted as the official flower of the city, and requested Mr. Vick to rename it "Rochester." The recommendation was enthusiastically received by the citizens generally, the name was at once changed and illustrations of this Aster immediately appeared in various magazines, programs and advertising matter used by our business houses, while thousands of souvenirs of various kinds—spoons, watchfobs, hatpins, buttons—were sold by Rochester dealers during the Industrial Expositions. This Aster was also used on the official badge of the Society of American Florists at their Convention in Rochester last Summer. The high quality and beauty of Vick's Mikado Pink "Rochester" is now known by the most successful Aster growers all over the country, and this year will bring it to the notice of thousands of amateurs, who are looking for an Aster valuable for cutting and decorations. This variety was exhibited at Syracuse and attracted the attention of almost every visitor in our building.



The "Rochester" Aster is today the Premier of the Lavender-Pink Asters

Petals are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl across each other in such magnificent disorder as to make the fluffiest Aster we have ever seen. In color it is a most exquisite shade of lavender-pink, being a happy medium between the color of Vick's Branching Pink and Vick's Daybreak. For a mid-season pink this Aster is without a rival. The plants are unusually vigorous and it is not uncommon to find one with a dozen long, strong, graceful stems, each crowned with flowers from four and a half to six inches in diameter. **Packet, 25 cents.**

Vick's Early Snowdrift

Is Certainly the Earliest Aster in Cultivation

Being a few days in advance of Queen of the Earlies. The leaves are narrow and sparse, and the branches spring from close to the ground. The entire energy of the plant seems given to the production of twelve to twenty long, slender, upright stems, crowned with immense feathery flowers. The long, recurved petals give the flowers an exceedingly graceful effect, heightened in many cases by the ragged, irregular character of the petals in the center of the flower. The type is now well established, the flowers all coming perfectly double. **Packet, 20 cents.**

Empress Frederick

This superb variety grows from fifteen to eighteen inches high, bearing pure white flowers, from four to five inches across, of a perfect comet shape. The plant is very sturdy and vigorous in growth, making it an ideal sort for pot culture. **Packet, 15 cents.**

Giant Comet

A superb class, differing from others in its long, wavy, twisted florets, which are formed into a head three and one-half to four and one-half inches across. One of the most perfect of Asters, and should be included in every collection. **Separate colors**, white, rose, crimson, light yellow, lilac and white, dark violet, rose and white, light blue; light blue and white, azure blue and white, white passing to light blue; the Bride, white passing to rose; any three for 25 cents; each. 10
Mixed colors 10

Vick's Mikado

The flowers of this beautiful white Aster are immense, measuring four and a half to five inches in diameter, with curled and twisted petals, resembling huge chrysanthemums, and are borne on long, stiff stems. The blooming season is most opportune, coming between the Extra Earlies and the late Branching sorts, thus enabling the Aster grower to have a fine display from mid-summer till heavy frosts. Plants grow from eighteen inches to two feet high. **Three colors** White, Rose, Pink "Rochester," each 25 cents.

Hohenzollern

An Aster of the large-flowering, branching Comet type. Flowers four to six inches across. Two colors—rose and white. **Packet, 20 cents.**

The Greatest of the 20th Century Asters

IN 1906 we introduced Vick's Violet King, and last year (1910) we had the honor of presenting a worthy consort: Vick's Rose King. Both are magnificent flowers, superior in every way for cutting, for florists use, and for shipping; blooms of both varieties have been on exhibition for more than ten days after cutting, and have kept in good condition, thus proving their worth for all purposes.

Vick's Violet King

Vick's Violet King is similar in habit to the popular Vick's Branching, vigorous in growth, with long stiff stems, and luxuriant foliage of richest green. In form the flower is **entirely distinct**; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being fantastically twisted, curled and incurved, completely covering the crown. The bloom is round full and very large, many of the flowers measuring from four to five inches in diameter.

Its color is a soft violet-lilac. Vick's Violet King Aster is easily the peer of the grandest Chrysanthemum, with all the advantages in favor of the Aster, especially in its ease of culture, since no greenhouse is required, and its continuous and prolific blooming during the summer and early fall. **Packet, 15 cents.**

Vick's Rose King

In color Vick's Rose King is brighter and more brilliant than Rose Branching. It possesses all the characteristics of a good Aster; vigorous in habit, with stems frequently two feet in length, flowers large as saucers, crowns completely covered, a good keeping variety and unsurpassed for cutting. Petals are stiff and strong and do not show the effects of cutting until long after many other varieties would be completely wilted. Vick's Rose King is identical with its companion in form of flower and habit of plant, and produces flowers with equal freedom; the only difference is in the color. Vick's Rose King has already become as great a favorite with Aster growers as Violet King, which has won more prizes at fairs and flower carnivals than any other variety in the world.

Packet, 25 cents.

This illustration was made from a photograph of Vick's Rose King Aster. Vick's Violet King is identical in form of flower, time of blooming and habit of the plant, the only difference being in the color of the flowers.



Last summer we devoted much time to developing new colors in the King class. Two of them were extremely satisfactory, and we expect to present two novelties in 1912 that will be equal to Violet and Rose King.

Vick's Early Upright

Two Colors, White and Lavender Pink

Plants of Vick's Early Upright grow compactly and send forth long, straight, stiff flower stems, which stand almost erect. Plants are vigorous, and although they possess considerable foliage, there are very few side shoots to sap the vitality of the flower stems. Each plant will yield from eight to twelve flowers. For an early variety the flowers are unusually large and have a solid, compact appearance. Crown is completely covered; petals are of medium length and give the flowers a decided ball-shaped appearance. There are two colors, white and lavender pink. The latter is a beautiful shade, very similar to Vick's Branching Pink. When the flower first opens it is almost white, but in full bloom the prevailing color is pink, shading to a decided lavender pink tint on the outer petals.

Each color, 25 cents a packet.

Vick's Late Upright White

Flowers similar in size and shape to Vick's Early Upright White but the color is a clear white, and the flower is particularly useful for cutting. Blooms about the same time as Vick's Late Branching.

Packet, 15 cents.



PLANT OF VICK'S EARLY UPRIGHT ASTER

Vick's Royal Purple

A new strain of Vick's Late Branching Aster, growing about fifteen inches high. Its habit of growth is entirely distinct, the stems growing directly from the ground, and not on side shoots from the main stem like other varieties. A medium early bloomer, continuing in flower until late in the fall; in fact it holds its blooms longer than any other variety we know of. The flowers are large and full to the center; petals incurved and whorled about the center; color bright purple. We confidently recommend it, believing it will please our aster-loving friends. Packet, 20 cents.



PLANT OF VICK'S ROYAL PURPLE ASTER

How to Grow Asters

Their Culture and Care

A BOOKLET prompted by the questions asked by customers and others in reference to Aster culture. Not a scientific work, but *practical instructions* for the amateur as well as the florist. A summary of our experience in growing Asters from sowing the seed to maturity, including a chapter on *Aster Insects and Diseases and their remedies*. Contains much information of value to Aster growers. Price, 10 cents or free with an order for 25 cents' worth of Vick's Aster seed.

I feel I must say a word or two in reference to my Asters and Stock seeds I got of you this spring. They were wonders—and the most beautiful in Grand Forks.

G. F. held its first florists fair and I entered my Asters and Stock and received first prize on all.

Never before has anything been seen like my Vick's Violet King and Early Upright Pink, and I cannot describe the universal praise the Rochester received, and the Rose King also.

(Oct. 18, 1910.)

Mrs. G. W. Gowland,
Grand Forks, B. C.

VICK'S IMPERIAL ASTERS

Vick's Imperial Daybreak

The flowers of Vick's Daybreak are round as a ball, very large and full, on long stems; the color a lovely sea-shell pink. The plant flowers very early, and is a continuous free bloomer, a compact strong grower, and in all respects a desirable addition. This beautiful Aster is one of those rare gems that have come to stay; no private garden is complete without it and for florist's use it is unsurpassed. **Packet, 10 cents.**

Vick's Imperial Purity

is a fitting companion to Vick's Daybreak, being identical with it in form and habit, but the blooms are pure white. A finer combination of color cannot well be imagined than the massing together of these two beauties, either in bouquets or decorative designs. The plant is an early free bloomer, like its associate. **Packet, 15 cents.**

Vick's Imperial Lavender

Was offered as a new Aster last year, and received a royal welcome from all judges of choice Asters. As with others of the Imperial class, the form of the flower, the habit of the plant, and the time of blooming, are identical with Daybreak, but the color is a delicate lavender. **Packet, 25 cents.**



PLANT OF VICK'S IMPERIAL DAYBREAK ASTERS



VICK'S IMPERIAL SUNRISE ASTER

Vick's Imperial Sunrise

This variety is a seedling from the popular and well-known Vick's Daybreak, but differs from the parent plant in both color and character of the flower. The flowers are about four inches in diameter and oval in form, each petal perfectly quilled and the most delicate pink color, a shade entirely new and distinct in the Aster family. The plant resembles the Daybreak, is a strong, robust grower, producing upright branches, each one of which is crowned with a magnificent flower. Vick's Sunrise has been shown at many floral exhibitions, won valuable prizes and attracted a great deal of favorable attention on account of its clear pink color and the form of the petals. Professional and amateur growers united in pronouncing it a most desirable variety. We are able to offer it at a much lower price this year than in 1909, thus placing it within reach of everyone who desires to grow the highest quality Asters. **Packet, 25 cents.**

Vick's Imperial Sunset

A new color in the Imperial class, an extremely delicate shade of light pink, shading to a deep rich pink in the center; in every way a charming addition to this valuable class, not only on account of the color, but the time of blooming, which is several days earlier than Daybreak. The habit of the plant is identical with Daybreak and Purity, while the magnificent globe-shaped flowers are borne on long stems, and in the greatest profusion. **Packet, 25 cents.**

**No other Seed Firm
in all the World has**

**Done as much to improve the Aster as James Vick's Sons.
Introduced as many new varieties as James Vick's Sons.
As large an acreage devoted to growing Asters for seed
purposes as James Vick's Sons.**

VICK'S BRANCHING ASTERS

Vick's Early Branching

This is a distinct advance in the Branching Aster class; the plants attain the size and vigor of the famous Late Branching, but produce their flowers from two weeks to ten days earlier. The plants have but few branches, all free from side buds, the whole strength of the plant being given to the development of the extra large, perfectly formed flowers that are borne on long stiff stems, making them equally as desirable for cutting as Vick's Late Branching Asters. The Early Branching White was first introduced in 1908, and last year we listed the Early Branching Rose. We hold to these two colors this year, believing that they are absolutely true and best suited to the needs of the majority of Aster growers.

Early Branching White,
packet, 15 cents.

Early Branching Rose,
packet, 15 cents.



Vick's Late Branching

The flowers of the Late Branching Aster are of extraordinary size, and are borne on long, graceful stems from fifteen to twenty inches in length. The plants are extra large and of strong growth, one plant often covering a space of two and one-half feet square. It is unexcelled for cutting, and is by far the most satisfactory late Aster grown. The plants begin blooming about August 15th and continue throughout the season, but the time of blooming can of course be regulated to some extent by sowing the seed in the house in March or April, but if early blooms are desired we advise using Vick's Early Branching. The Late Branching Asters are as well known among European as American growers, and every up-to-date florist has a fine display in his show windows just before the Chrysanthemum comes in,—in fact it is often mistaken for the Chrysanthemum which it very much resembles.

Snowy-White, Pink, Rose, Crimson, Purple, Dark Violet, Lavender, each 10
One packet each of the seven colors for 50
Above colors mixed 10

Vick's Rosy Carmine Branching

The size and beauty of Vick's Rosy Carmine Branching Aster fully sustain the high reputation of the family, and, in our opinion, it is one of the best varieties for cutting which we have ever introduced. The time of blooming is close to that of the other Branching Asters, and the bright rosy carmine color is so distinct and beautiful that a vase on the table will light up the whole surroundings, or, in a window, will attract the attention of every lover of flowers. **Packet, 25 cents.**

Semple's Pink Branching

The flowers are very large and the color is an exquisite shade of light pink. Stems long and stiff. **Packet, 10 cents.**

Branching Aster Collection — White, Pink, Rose, Crimson, Purple, Dark Violet, Lavender, 1 packet each color, 50 cts., postpaid



VICK'S LAVENDER GEM

When first open the flower is an exquisite lavender, deepening with age. The flower is always full double; the fluffy effect of the Ostrich-feathered type, to which it belongs, is enhanced by the fact that it bears a large proportion of long, partly tubular florets, that are irregularly cut and slashed, so that the flower looks like a ragged Chrysanthemum. The flowers are borne in profusion on long, slender, wiry stems. The plant is erect and of medium height branching close to the ground and shows no tendency to produce single or semi-double blooms. It blooms between Queen of the Earlies and Vick's Daybreak, and is classed with the early sorts.

Packet, 20 cents.

VICK'S CARDINAL

The best bedding Aster ever introduced

The coloring of this Aster is entirely distinct from any other Aster; in fact it possesses a striking color of its own. Cardinal is the nearest we can come to it. This variety is particularly adapted for bedding, owing to its free blooming qualities and brilliant coloring. When massed in a bed, its deep vivid cardinal color is as striking as the brilliant scarlet *Salvia*. Vick's Cardinal begins blooming the first to middle of August, retaining its brilliant coloring and full, well-developed flowers until late in the fall. Packet, 25 cents.

VICTORIA

One of the finest. Two feet high; habit pyramidal; flowers large; having, with one or two exceptions, the greatest range of colors of any of the Asters. White. Peach-blossom. Crimson. Light Blue. Rose and White. Dark Crimson. Dark Blue and White. Apple-blossom. Carmine Rose. Dark Scarlet. Violet.

Separate colors, each 10
Mixed colors 10

DWARF VICTORIA

The finest class of Half-Dwarf Asters, and the best for pots. For size, color, and profusion of bloom it is unsurpassed. Mixed colors, or dark scarlet, white, rose, dark crimson, light blue, rosy lilac, apple-blossom, peach-blossom; each 10

QUEEN OF THE MARKET

This variety is two weeks earlier than most other sorts. Plants dwarf and branching; flowers quite double; valuable for cutting. White, flesh, light-rose, rose, crimson, light blue, dark blue, and all colors mixed; each 10

BALL OR JEWEL

A beautiful class, selected from the well-known Peony Perfection race, somewhat dwarfier in habit than the latter, with shorter florets; flowers round as a ball. Mixed 10

BOLTZE'S DWARF BOUQUET

Each plant looks like a bouquet of flowers. Fine for edgings or small beds. About twelve different colors mixed 10

CHRYSANTHEMUM-FLOWERED

A desirable class, one foot high. Late, and valuable on this account, as well as for its great beauty. Mixed colors, or white, rose, fiery scarlet, light blue, each 10

COCARDEAU, OR CROWN

Two-colored blooms, the central florets pure white, sometimes small and quilled, surrounded with large flat florets of a bright color. Plant eighteen inches high. Mixed colors 10

LADY ASTER

The distinguishing features of this Aster are its profusion of bloom and the distinctness of its foliage. The leaves are long and narrow, light green in color. The plant is light and graceful in habit, and bears from forty to sixty buds, which develop gradually, affording a prolonged season of bloom. The small flowers are very double, semi-globular, about an inch and a half in diameter, produced on slender stiff stems, and are excellent for floral design work. Mixed colors 10

LARGE-FLOWERED ROSE

One of the very best. Two feet in height; robust. Flowers large, finely imbricated, and of great substance. Mixed colors 10

OSTRICH PLUME

A class with pure white and rose-colored flowers similar to Giant Comet, but with longer petals and the plants more free-blooming. Each color 10

QUILLED GERMAN

A showy class, from one and a half to two feet high, with quilled flowers and branching habit. Mixed colors 5

QUEEN OF THE EARLIES, or Earliest Paris

An improved strain of our own growing; fully three weeks earlier than any other variety. Should be cultivated by every up-to-date grower 10

TRUFFAUT'S PEONY-FLOWERED PERFECTION

A standard Aster, two feet in height, blooming very freely; the flowers are large, very double, peony-like, the florets mostly incurved. The colors range from pure white to light blue, violet, crimson, rose, and scarlet, each Amethyst. A superb new color in the Peony-flowered race. Flowers white at first, changing with age to a beautiful amethyst. 10
Mixed colors 10

MIXED ASTERS

Tall varieties mixed, ounce, \$1.50 5
Dwarf varieties mixed, ounce, \$1.50 5



PLANT OF VICK'S CARDINAL ASTER

ALYSSUM

These small white flowers are delicately fragrant and valuable for cutting. It is a good basket and pot plant, and valuable for carpet bedding. In the border sow thickly, so as to make a mass. It is desirable to sow the seeds early in spring, or even in the previous autumn. To prepare a basket for winter blooming, sow the seeds about the last of August. If the plants come up thickly, thin them out; a dozen plants are enough for a good-sized basket. When out of bloom cut back, and they will produce another crop of flowers.

- Sweet. Hardy annual. Flowers small and sweet. Ounce, 25 cents. 5
- Benthami compactum (Little Gem). A dwarf, compact, annual variety, not over six inches high, bearing its pure white fragrant flowers in the greatest profusion during the entire summer. Ounce, 70 cents. 5
- Carpet of Snow. Only two or three inches high. A profuse bloomer, showing as many as 300 heads of snow-white flowers at one time on one plant. Annual. 10
- Saxatile compactum. Perennial, ten inches high, compact habit, golden yellow flowers. The popular name is Gold Dust. 5

AQUILEGIA

Aquilegias are probably better known as Columbines. Thrive well with ordinary garden culture, but are quite at home under the spray of a fountain or by the water side. The plants are perfectly hardy and form large clumps from one to two feet in diameter, and produce a large number of flowers early in spring. Seeds may be sown in open ground. Plants can be increased by division of root. Perennial.

- Canadensis. Our native scarlet and yellow Columbine. 5
- Carnation or Striped. White, with red stripes; double. Eighteen inches. 10
- Chrysanthia. A beautiful, large-flowered, canary-yellow variety. Excellent. Three feet. 5
- Skinneri. Very beautiful. Colors scarlet and yellow. Two feet. 10
- Corulea. (Rocky Mountain Columbine). Flowers large; sky-blue and white. Superb. 10
- Glandulosa (major). Dark blue, very fine. 5
- Glandulosa vera. Large, erect, dark blue flowers; pure white corolla. 10
- New Large-Flowering Hybrids. Large yellow, with orange spurs. 10
- Sulphur yellow, with blue spurs. 10
- Nivea grandiflora. Large white, semi-double flowers. 5
- Mixed varieties, single or double, each. 5

AMARANTUS



AMARANTUS SUNRISE

These are plants which are striking on account of their foliage or peculiar mode of bloom. In rich ground the plants and leaves are of large size, but the coloring is apt to be less bright. The seed can be sown in the house, in a hot bed, a coldframe, or in a seedbed in the garden, and the plants transplanted into place; or the seed can be sown where the plants are to stand, if the soil is fine and the spots protected. They should be given sufficient space to develop on all sides. Fine in borders of tall plants, or in center of large beds. Annual.

- Atropurpureus. A fine variety with blood-red foliage and racemes of flowers in erect masses. 5
- Caudatus (Love Lies Bleeding.) Long, drooping "chains" of flowers. Pretty for decorating. Three feet high. 5
- Henderi. Foliage beautifully variegated. Two feet. 5
- Tricolor (Joseph's Coat). Red, yellow, and green foliage. Two feet. 5
- Sunrise. The most brilliantly colored of the Amaranthus, low leaves dark maroon, while the top of the plant is a glowing crimson-scarlet. The plant grows about four feet high, and takes on its most striking colors about the first of August. Seed may be sown outdoors where the plants are wanted, and plants should be thinned about a foot apart. A striking and ornamental plant when placed in front of shrubbery or massed in a separate bed. 10
- All varieties mixed. 5



SWEET ALYSSUM

AGERATUM

The Ageratum is interesting on account of its neat, bushy habit, and its pretty brush-like flowers, which are produced in clusters constantly all through the summer. Seeds may be sown in a mellow seedbed in the open ground, or under glass early in the season. Annual.

- Grandiflorum album. A large-flowering pure white variety. The plant is of medium height and vigorous growth, and has luxuriant green foliage, above which the relatively large flowers of beautiful shape are gracefully upheld by long stalks. 5
- Conspicuum. Fine white, 18 inches. 5
- Lasseauxii. Compact plant; flowers pink; 18 inches. 5
- Swanley Blue. A fine, large-flowering dwarf variety; flowers deep blue. Ounce, 30 cents. 5
- Little Dorrit. Plants six inches high and one foot through, covered with a mass of azure blue flowers. 5
- Little Dorrit White. Same as above, except in color of flower. 5
- Blue Perfection. A new and splendid dwarf dark blue bedding variety, the darkest of all blue Ageratums that can be grown from seed. 5
- Princess Victoria Louise. A beautiful Tom Thumb variety, differing from all others by its beautifully colored flowers, bright blue with white center, the contrast being really exquisite. 5
- Mixed varieties. Ounce, 30 cents. 5

SNAPDRAGON Antirrhinum

Grow two to three feet high, and are covered with bloom. They are easily raised from seed sown early in spring in warm dry soil. If the plants are not weakened by blooming too much the first year, they will stand over winter. In poor dry soil they bloom best and last longest. To produce good flowering branches for the second season, cut back a number of the branches in mid-summer about one-half or two-thirds; then new shoots will start out, which will be ready to bloom the following season.

- New Giant-Flowered. Fine flowers, double the size of ordinary sorts, of a rich velvety texture. 5
- Bright Crimson; Brilliant; Chamois; Deep Scarlet; Firefly; Galathea; Yellow; Rose; Striped; White; ounce, 70 cents; each. 10
- Extra Fine Giant-flowered Mixed; ounce, 70 cents; each. 10
- Fine Mixed; Ounce, 50 cents; each. 5
- Queen Victoria. Very large, pure white, superb. 10
- Tom Thumb. Very pretty dwarf plants, about six inches high, and of the usual colors described above. Mixed colors. 5

ADONIS—Pheasant's Eye

Æstivalis. Flos Adonis, or Pheasant's Eye, has finely-cut foliage and brilliant scarlet flowers. It will do well in partial shade, and may be used to advantage in any corner of the garden. Twelve to eighteen inches in height. It blooms in early summer. Annual.

Vernalis. A handsome perennial border plant, about a foot in height. Prefers a light soil. Flowers yellow.

ALLEGHENY VINE

Adumia cirrhosa. Sometimes called Wood Fringe, Mountain Fringe, or Climbing Fumitory. This graceful hardy climber deserves a place in every garden. Its delicate feathery foliage somewhat resembles that of the Maiden-Hair Fern, and its panicles of drooping flesh-colored flowers completely cover the plant. For covering trellises, tree stumps, etc., it is very desirable. It is biennial, but re-sows itself, and when once established will remain for years. Sow seed in the spring, in a cool damp place, and transplant in autumn.

ASPERULA

Azurea setosa. A charming, profuse blooming hardy little annual, bearing clusters of fragrant sky-blue flowers; adapted for bouquets. One foot high.

Odorata. A perennial of delightful fragrance; it is the Mayflower of the Germans, being used in their Mairank or May wine. The flowers are pure white, and the whole plant is often dried and preserved for its perfume. If kept among clothes it imparts an agreeable odor to them. Six inches high.

LADY'S SLIPPER Balsam

The seeds of this popular annual should be sown in the house, or in a warm, sheltered spot in light soil in the garden, after the ground has become warm. When plants are an inch or two high, transplant the seedlings four or five inches apart, so that they may have light and air on all sides, and by the time they are about four inches high transplant to their permanent place. Set the plants at least a foot apart, in well enriched soil. Two feet high.

Improved Camellia-flowered, New White Perfection 10

Improved Camellia-flowered. The flowers are very large, and extra double. A superb strain. Mixed colors 10

Camellia-flowered Deep Blood Red. Very double. Extra fine 10

Camellia-flowered White. Double 10

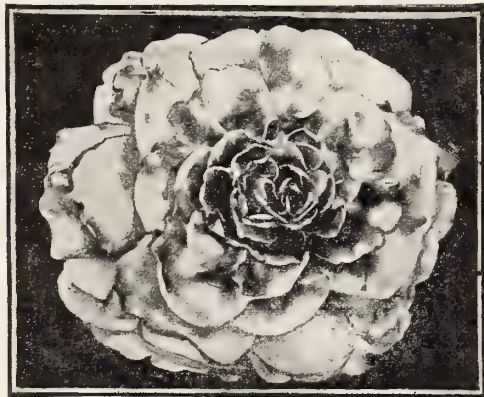
Camellia-flowered Spotted. Very double flower, spotted with white. Mixed colors 10

Camellia or Rose-flowered. Very double. Perfect form. Mixed colors 10

Carnation. Double; striped like the Carnation 10

Solferino. White, striped and spotted with red 10

Common Double. Occasionally only semi-double. Ounce 50 cents 5



CAMELLIA-FLOWERED DOUBLE BALSAM

CANNA

The Canna will bloom from seed the first year if the seed is sown early. Seeds should be soaked for twenty-four hours in warm water before sowing.

Crozy's New Hybrids. These Cannas are the most gorgeous bedding plants we have. Most of them are dwarf in habit, early bloomers, and remarkable both for beauty and size of flower and foliage. If seeds be sown before April in hotbed or greenhouse, the plants will bloom in July, and continue until frost. These plants may be potted in the fall and kept blooming through the winter, or the roots may be taken up in late fall and kept like Dahlias and re-planted the following spring. Mixed varieties; ounce, 50 cents; each 10

Madame Crozy. Brilliant vermilion-scarlet, bordered with deep golden yellow 10

Alphonse Bouvier. Brilliant crimson, foliage green 10

President Faivre. Fine dwarf, dark-leaved variety 10

Queen Charlotte. Crimson-scarlet, bordered with gold 10

Jules Cretien. Yellow, splash-d with orange 10

Mixed Tall Varieties of the old types. Among these are many fine colors not represented in the newer sorts. Ounce, 3 cents 5

Dark-leaved varieties mixed, ounce 40 cents 10



CALLIOPSIS

Plants about two feet in height, of slender growth, and should be given plenty of room to spread. The flowers are of various shades of yellow and orange, variegated with rich velvety crimson or maroon. These graceful flowers are excellent for bouquets, their warm and brilliant tints harmonizing well with all other colors. The seed grows very readily, and may be sown where the plants are to flower. Annual.

Coronata. Plants compact and of a bright rich green. Blooms early and continues until late fall. Flowers golden yellow, about the size of a silver dollar 5

Drummondii (Golden Wave). Plants bushy, compact, covered with rich golden yellow flowers, chestnut-brown center 5

Dwarf Varieties Mixed 5

Tall Varieties Mixed 5

TOM THUMB VARIETIES.

The Tom Thumb varieties are admirable for edgings or pots.

Golden King. Fine for cutting. 5 **Bicolor.** Yellow, dark brown center 5

Atrosanguinea. Dark crimson 5 **Tom Thumb Varieties Mixed.** 5

COREOPSIS (Hardy)

Grandiflora. One of the best hardy perennials. Very free-flowering. The large, showy, golden yellow flowers are borne on long stems, and will last a week or more when cut, making them very desirable for that purpose. Will grow anywhere. Two to three feet 10

Lanceolata. Similar to the above. Used extensively for cut flowers 10

CHRYSANTHEMUMS

The glorious and showy autumn-blooming Chrysanthemums, so much admired and cultivated, have their relatives among summer annuals, which are easily raised from seed. They are free-blooming, showy border plants, and the flowers are very desirable for cutting. Seeds can be sown in the open seedbed, or where the plants are to stand, provided the plants are thinned out to eight or twelve inches apart. A little shade, or shade in the after part of the day, is desirable. Pinch back until July 15th, to make branching and stocky plants.

ANNUAL VARIETIES

Golden Feather. Plants semi-dwarf, with yellow foliage. Mixed colors 5

Single varieties. Mixed colors 5

Double White, Double Yellow, and Double Mixed, each 5

Hardy Chrysanthemums

Seed of Perennial Chrysanthemums should be sown in February or March, in the house. It slightly covered, and placed in a warm temperature, they will soon germinate. If the seedlings are pricked off at once into pots and placed near the glass, good plants will soon be obtained. By the middle of May they may be planted out of doors. For after treatment see Plant Department.

Marguerite, or Paris Daisy. Elegant bushy plant, one to two feet high. Blooms all summer in the garden, and fine for winter flowering. Flowers white, star-shaped 10

Greenhouse varieties. Mixed seeds selected from a choice collection 25

BARTONIA AUREA—Golden Bortonia. Its large and exceedingly brilliant glossy yellow blossoms are borne well above its gray thistle-like foliage, and are produced in great profusion all summer. Fine for masses or single plants. Seed should be sown where the plants are to stand, as they do not bear transplanting. Annual. Two feet 5



CAMPANULAS IN VARIETY

CAMPANULA (BELL FLOWER)

The well-known popular, large, bell-shaped flower, known everywhere as Canterbury Bell, is a biennial Campanula. There are double varieties of every color, but, though curious, they are not really as beautiful as the old single bell; they lose that light transparent grace that is so attractive in a flower.

Medium (Canterbury Bell). Flowers large. Plants two feet high. Biennial.

Single varieties mixed 5
Double varieties mixed 5

Calycanthema (Cup and Saucer.) Beautiful flowers, three inches long, saucer three inches across. Plants form pyramids of bloom about two feet high, and bloom profusely for weeks during the early summer 5

Carpatia. Hardy perennial, six inches high, blooming the whole season. White and blue, mixed 5

Pyramidalis. A hardy species, known as the Chimney Bellflower. Plants three feet high, of pyramidal form, bearing hundreds of beautiful cup-shaped flowers. Suitable for the garden or pots. Blue and white, mixed 5

Grandiflora (Platycodon). Hardy perennial, producing large broad bell-shaped, showy, deep blue flowers, during the whole season. Very desirable for planting in permanent borders or among shrubbery. . . . 10

Cypress Vine. *Ipomœa Quamoclit.* One of the most graceful and beautiful of garden vines. For training upon a light trellis it is unexcelled. Its scarlet or white flowers are produced in profusion, and its finely-cut foliage is well adapted to ornamental work. When plants are set in rich soil, where they are to grow, they will reach a height of ten feet; or, if planted thick, they will soon make a screen of the most exquisite foliage and flowers. Soak the seeds over night in warm water before sowing. Scarlet, white or mixed each, per ounce 25 cents 5

CATCHFLY. *Silene Armeria.* A bright-colored, free-flowering annual, grown largely for spring flower-gardening. Suitable for rock-work or open border. Succeeds in a light, loamy soil. Red, white, and rose, mixed. 5

CANDYTUFT

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, the seeds being sown where the plants are to bloom. Sow in rows six to eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich and when blooming time comes keep the plants well watered.

Purple, White Rocket, Sweet-scented, Flesh, Extra Dark Crimson, each, ounce, 30 cents. 1

New Carmine. True to color 1
Mixed colors of above six varieties, ounce, 20 cents 5

Empress. A pure white variety, of large size, and the finest in cultivation. Strong, free grower, producing large trusses of flowers, on candelabra-formed branches; individual flowers of large size. After devoting several years to selecting and saving seed from only the most perfect flowers, we have succeeded in procuring an extra fine strain of this grand variety. Ounce, 50 cents 10

Dwarf Hybrids. Six inches high, bloom the entire season, fine for edgings. Mixed colors 10

CANDYTUFT, HARDY

Handsome, hardy perennial plants, well adapted for permanent borders or clumps. Valuable for early decorating

Iberis sempervirens. White, one foot. 10
Gibbaltica. Large, showy flowers; lilac, shading to white. One to two feet in height 10

COCKSCOMB (CELOSIA)

Celosias are interesting and brilliant annuals, and when grown from Vick's Selected Seeds never fail to please the grower and attract attention. There are two desirable forms of the Celosia, the Cockscomb and the Feathered. There are several colors, red, orange, and yellow, but the bright reds are the best. These combs are often grown a foot or more across the top.

COCKSCOMB.

Crimson Giant. One of the largest and brightest Cockscombs. 10

Glasgow Prize. Fine dwarf. Dark leaves and crimson comb 10

All-a-Glow. A magnificent large-headed dwarf Cockscomb. Ruffled combs, scarlet edged, with depths of glowing orange-scarlet 20

Dwarf varieties mixed. 10

Tall varieties mixed. 5

FEATHERED CELOSIA

The Feathered Celosias have feathery plumes of great size and beauty. The following are the best of this class in cultivation, and come true from seed.

Superba plumosa. Superb feathered, bright crimson 5

Thompson's Superb Feathered. Splendid. One of the best of the late introductions 10

Golden Plume. Bright golden yellow. Habit pyramidal 5

Mixed colors. 5

COSMOS

A strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in the house or hotbed in March or early in April, and the young seedlings transplanted to the open ground as soon as the weather is warm, will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across. The flowers are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual.

Mammoth Perfection. A vast improvement over the old sort; flowers double the size, the petals being broader and over-lapping, forming a perfectly round flower. Fine for cutting for bouquets and vases, keeping several days in water, and lasting out doors until cut down by frosts. The foliage is one mass of feathery emerald green. If grown in pots and housed by the end of September, they will flower all winter. Pure white, Pink, Crimson, each 10

Mammoth Perfection Mixed. 10 **Fine Mixed.** 5

Dawn, Early Dwarf, Large-Flowering. More bushy and compact than the other varieties, and grows only about four feet, while all others attain a height of six to seven feet. The flowers are fully as large as those of the old sort, pure white, with a tinge of rose. They commence to bloom in July and last until frost 10

Giant-Flowering Lady Lenox. This gigantic Cosmos is six to seven inches in diameter. Color shell pink, lighting up beautifully at night. When cut and placed in water it lasts a long time. Plants strong and vigorous, growing six to seven feet high 10

BALLOON VINE—*Cardiospermum, Love-in-a-Puff.* A rapid-growing summer climber, with small white flowers, followed by curious inflated seed-vessels. Sometimes grown in pots on verandas, etc. Annual 5

CENTAUREA

The following Centaureas are perfectly hardy annuals, of easy culture, and are general favorites both for the garden and for cut-flowers. Seed should be sown early where plants are desired to bloom. Plants should stand one foot or more apart each way.

- Cyanus (Bachelor's Button, Corn Bottle, and Ragged Sailor,** known in Germany as the Kaiser Blumen and Corn Flower). Blooms in almost any situation. Eighteen inches to two feet. Various colors mixed, ounce, 25 cents 5
- Emperor William.** Fine dark blue. 5
- Pure White** 5
- Victoria Dwarf Compact.** A charming miniature variety. Fine for pots and edgings 10
- Americana.** Lilac-purple. The largest flowering of the Centaureas. Plants two feet high. Flowers sometimes four inches in diameter; handsome 10
- Suaveolens.** (Yellow Sweet Sultan). Bright sulphur yellow; very fragrant. Blooms all summer. Splendid for bouquets. Eighteen inches 5

Large-Flowering Sweet Sultans

These mammoth varieties are great improvements on the old Sweet Sultans. They are as easily cultivated, and succeed everywhere. The flowers are two to four inches across, of graceful form, and of the sweetest fragrance. Being on long, stiff stems, they are admirably adapted for bouquets, vases, etc. They will keep in good condition a week after being cut.

- Imperialis** A strain of Giant-flowering Sweet Sultan; the finest of all for cut flowers. Blooms continuously from summer till autumn. The flowers are of various colors, from glistening white, through shades of pink, lilac, crimson, and violet, to purple. Very fragrant. Plant vigorous, nearly four feet high, and covered with enormous flowers on very long stems. Mixed colors, ounce, \$1.00 10
- Odorata.** Light blue. Two feet in height. 10
- Chameleon.** Sulphur-yellow, changing to creamy white, and again to pink. Two feet 10
- Margueritæ.** Pure satin white. Two feet 10

Silver-Leaved Centaureas—Dusty Millers

These are white-leaved perennial varieties, much used for ribbon-borders and edgings of beds, not being allowed to bloom. Succeed anywhere.

- Candidissima.** Entire plant silvery-white. Leaves much divided. Flowers purple, ounce 25 cents 10
- Clementi.** Entire plant densely white-woolly. Leaves broadly cut. Flowers yellow. 10
- Gymnocarpa.** Whole plant velvety-white. Leaves silver-gray, finely divided. Flowers rose-violet. 10

- BRACHYCOME—Swan River Daisy** A charming flower in white and blue varieties. Fine for cutting, and the neat slender foliage is well adapted for bouquet making. The plants grow about twelve inches in height and bloom freely. Blue, white, or mixed, each 5



LARGE-FLOWERED SWEET SULTANS

CALIFORNIA POPPY

The brilliant Eschscholtzia is California's chosen State Flower. The plants grow to about a foot in height; the leaves are of a grayish green color, finely cut and divided. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom.

- Cross of Malta.** Foliage silver-gray; flowers bright yellow, with a broad, dark orange cross in the shape of the Cross of Malta. 5
- Mandarin.** Inner side of petals a rich orange, the outside scarlet-orange . 5
- Golden West.** A beautiful variety; color light orange-yellow 10
- Californica canaliculata rosea.** A beautiful variety. The rosy petals are delicately fluted with tiny folds radiating from the center, and richly adorned with a soft primrose-yellow hue 10
- Rose Cardinal.** A charming variety, producing freely large intense carmine flowers 10
- Orange, Yellow, and White,** single, separate colors, each 5
- Single varieties mixed** 5
- Double Orange, and Double White,** each 5
- Double varieties mixed** 5

COBOEA SCANDENS

One of the most beautiful annual climbers, of rapid growth, with fine foliage; flowers bell-shaped, almost 1½ inches across and two inches long. In good soil the stems often grow twenty or thirty feet long and cover a large surface; Plants begin flowering when quite young. Put the seed in barely moist earth, edge down, and merely cover with light soil. Do not water until the plants appear, unless the soil is very dry.

- Purple** 10 **White** 10

Eschscholtzia
California
Poppy



DIANTHUS

Known by every one as
Garden Pinks

Chinese and Japanese Pinks

The varieties of Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers, and are worthy of particular care. The plants are from twelve to fifteen inches in height. Seeds can be sown under glass in the spring, or in an open, sheltered bed. The young plants are easily transplanted, and should be set from eight to twelve inches apart. Bloom the first summer, and also the second if the flowers are freely picked during the season, and the plants are protected in the winter.

- CHINESE OR INDIAN PINK.**
Best double varieties mixed, ounce, 50 cents 5
- DOUBLE IMPERIAL PINK.**
White and Red Striped; White and Purple Striped; Blood Red; White; all colors mixed; each 5
- HEDDEWIGII—Single.**
A beautiful strain of Japan Pink. The flowers are large and exquisitely colored in pink, rose, purple, maroon, and white, with occasional patterns of black and white; the petals finely fringed.
Crimson Belle. Brilliant dark red; very handsome 5
Eastern Queen. An exquisite rose color 5
All Colors mixed 5

- HEDDEWIGII—Double.**
The rich color patterns are similar to those of the single varieties, but the flowers are very double.
Mourning Cloak. Rich blackish crimson, tipped and fringed with snowy-white. Large and handsome 5
White. Large double flowers 5
Diadem Pink. One of the most marked of the Heddewigii varieties. Brilliant markings and dazzling colors. Mixed 5
All Colors mixed 5

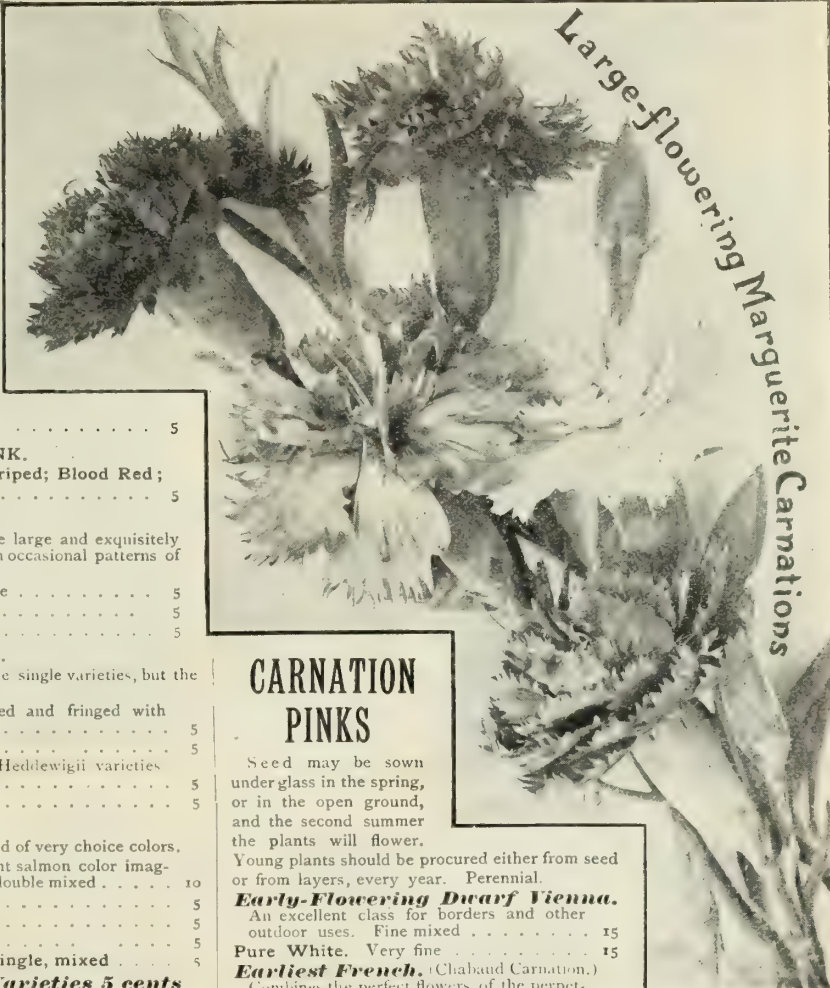
- LACINIATUS.**
Flowers deeply fringed, both single and double, and of very choice colors.
Salmon Queen. A distinct tint; the most brilliant salmon color imaginable, changing into a rosy salmon. Single and double mixed 10
Sanguineus, blood-red 5
Single, all Colors mixed 5
Double, all Colors mixed 5
Heddewigii and Laciniatus, both double and single, mixed
Special Mixture of above Annual Varieties 5 cents

HARDY PINKS

- All of these varieties have large, brilliantly colored, and handsomely marked flowers. The plants are of easy culture, blooming freely and for a long time.
Dianthus plumarius, (Pheasant's Eye, or June Pink, sometimes called Grass Pink). Fine for massing. Closely related to the Carnation, but smaller flowers and more hardy. Flowers beautiful and fragrant. Perennial. Plants are hardy until they become old. It is best to keep a few young plants coming on. Single varieties mixed 5
Plumarius, Pheasant's Eye, or June Pink. Double 10
Cyclops Pink. New variety of Scotch Pink, producing an entirely new series of colors of exquisite beauty, enlivened by a large eye of velvety blood-red. Has a sweet clove-like perfume. Single 10
Semperflorens. Florist's Perpetual Pink. Very sweet-scented, double and single flowers. Great diversity of colors 25

CALENDULA (Pot Marigold)

- The well-known Pot Marigold, valued for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round, and make a fine show in the flower-garden. Seeds can be sown in early spring in open ground. Hardy annual. About one foot in height.
Double Sulphur. Flowers large and double. Color light lemon-yellow 5
Meteor. Handsome, double, and beautifully striped, the petals having a creamy center edged with orange-yellow 5
Orange Giant. The finest large-flowered orange. Very double 5
Pure Gold. Flowers golden yellow, extra large and very double 5
Prince of Orange. Fine orange. Double 5
Mixed Varieties 5



CARNATION PINKS

- Seed may be sown under-glass in the spring, or in the open ground, and the second summer the plants will flower. Young plants should be procured either from seed or from layers, every year. Perennial.
Early-Flowering Dwarf Vienna.
An excellent class for borders and other outdoor uses. Fine mixed 15
Pure White. Very fine 15
Earliest French. (Chabaud Carnation.)
Combines the perfect flowers of the perpetuals with the earliness of the Marguerite 25
Grenadin. Double scarlet Dwarf and compact. Early 10
Extra Choice German Seed. Mixed varieties 20
Choicest, Picotee, with white ground 50
Choicest, Picotee, with yellow ground 50
Extra Italian Seed, saved from prize flowers only 50
- Marguerite Carnations—Bloom first year from Seeds**
Marguerite, Early-Flowering. A most profuse bloomer. Exquisite in color, showing beautiful shades in white, red, pink, variegated, etc. Large size, perfect form, dwarf habit, compact and robust, flowers in a few weeks from seed. Plants can be potted for winter blooming in the house.
White, nearly true from seed. Extra fine 10
Pure Yellow 25
Yellow Ground varieties 25
Mixed varieties, extra fine 10
Giant Large-Flowering Marguerite or Malmaison.
A large flowering strain of Marguerites, our trials show it to be an earlier bloomer, and the plants stronger than the old sorts. Mixed Varieties 25

DATURA

- Large, strong-growing plants, with large, trumpet-shaped flowers. Roots can be preserved in the cellar like Dahlias. Three feet in height.
Wrightii. The best single variety; white, tinged with lilac, sweet-scented 5
Double varieties mixed 5

DOUBLE DAISY

- Sow the seed very early. The flowers are abundant in early spring, and may be continued later by the use of water. Plants can be removed safely even when in flower. Set about six inches apart in a cool border. Perennial
Best German Seed, mixed colors 10
White. Constant 10
Longfellow. Large, rose-colored flowers. 10
Snowball. Large, perfectly double and pure white, having long stiff stems 15



DIGITALIS or FOXGLOVE

THE GOURD FAMILY

The Gourds are prized for their rapid growth and their odd-shaped and highly colored fruits. They are useful for covering arbors, old fences, stumps, etc.

- Dish-rag, or Sponge.** When ripe the inside resembles fibrous cloth, and is used for bathing, scouring, etc. 5
- Balsam Apple and Balsam Pear** have ornamental foliage. When ripe the golden yellow fruit opens, displaying the carmine interior. Each . . . 5
- Benincasa cerifera.** Pretty wax gourd 5
- Serpent Gourd** 5
- Abobra viridiflora.** Beautiful climber, with delicate foliage, and oval, scarlet fruit. 5
- Bryonopsis laciniosa.** Foliage elegant; fruit scarlet, striped with white . . . 5
- Cucumis odoratissimus.** Fruit orange-yellow, fragrant 5
- Coccinea Indica.** Handsome, glossy foliage, and scarlet fruit 5
- Wild Cucumber.** *Echinocystis lobata.* A fast-growing climber, running 30 feet in a season. White fragrant flowers, prickly seed pods. . . . 5
- Momordica Elaterium.** Squirtling Cucumber 5

One packet of each of the above eleven varieties for 45 cents.

The following are some of the most valuable of the common varieties. The fruits, when allowed to ripen, can be kept for years.

- | | |
|---|--|
| Hercules' Club. Large, long, club-shaped 5 | Orange. The well-known Mock Orange 5 |
| Pear-formed. Yellow and green, cream striped 5 | Striped Apple. Small, yellow, beautifully striped 5 |
| Gooseberry. Small, bright green 5 | Calabash. The old-fashioned Dipper Gourd 5 |
| Egg-formed. Nest Egg Gourd 5 | Sugar-Trough, or Sap-bucket 5 |
| Mixed, per ounce, 30 cents 5 | |

GYPSOPHILA

Gypsophilas are valuable for bouquet making, either green or dried. They are very graceful, and easily cultivated. Should be in every garden. All flower the first season. *G. paniculata* continues to bloom several years.

- Muralis.** Beautiful, hardy annual; six inches high, forming a dense mass. Fine for edgings. Blooms profusely. Flowers pink. 5
- Paniculata.** (Baby's Breath). Perennial. White. Fine for cutting . . . 5

FOXGLOVE—Digitalis

The Foxgloves are quite stately and highly ornamental plants when well grown, with flower-stems at least three feet in height. They are fine for the mixed border, or planted singly in half-shady places near a walk or drive. The racemes of flowers are often two feet in length, containing scores of the prettily-spotted thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden, and transplant as desired. Perennial. Mixed varieties 5

EUPHORBIA

Heterophylla. Known as "Fire on the Mountain," "Mexican Fire Plant," "Annual Poinsettia," and "Painted Leaf." A bushy plant two to three feet high, with highly ornamental leaves, which become flared with dark fiery scarlet, leaving only a small tip of green. Easy of cultivation, growing in places fully exposed to the sun, which brightens and hastens the coloring. It can also be grown in pots and then moved about at pleasure. Annual 5

Marginata. Two feet high; leaves light green and white-margined; called "Snow on the Mountain." Annual 5

HELIOTROPE

This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.

Queen Marguerite. Bears immense clusters of large, deep dark blue flowers, with an exceptionally rich and spicy perfume. 10

Dr. Livingston. Fine dark blue clusters 10

Louise Delaux. Rose-tinted flowers 10

White Lady. Large pure white flowers. 10

Giant-flowered. Choicest mixed 10

All varieties mixed 10



VICK'S HOLLYHOCKS

In situations suitable for tall flowers we know of nothing better than the Hollyhock; and yet the improved varieties do not grow very high—from four to six feet being about the range. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The plants may be protected during the winter with a little straw and evergreen boughs, or leaves. Biennial. See also Plant Department.

Hollyhock, Double. Very double and fine, from the best named collection in Europe, ounce, \$1.25 10

New Fringed Mammoth Allegheny. This grand new flower is a decided improvement on the old-fashioned single Hollyhock. Flowers are single, semi-double, and double, fringed, seldom less than five inches and often seven inches across. Perpetual bloomer. Has from two to four buds where the old style has only one. All colors mixed. 10

Hunnemannia Fumariæfolia

"Giant Yellow Tulip Poppy"

This most beautiful plant forms a shrubby bush two feet in height, with finely-cut foliage, similar to that of the *Eschscholtzia*, and produces its large tulip-shaped flowers on long stiff stems, from August till November. The color is a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Sow seed early in the spring, in shallow drills, where the plants are to bloom, as they do not stand transplanting. 10

IPOMOEA

The Ipomoeas are climbers of rapid growth. Succeed best if started in the hotbed and transplanted as soon as all danger of frost is past.

Bona Nox (Good Night or Evening Glory, Moon Flower). Flowers large, white. 10

Giant Pink Hybrid. The soft lilac-pink flowers are produced abundantly all summer and fall. They remain open from about four o'clock in the afternoon until near noon of the next day. The vine branches freely, and the foliage is abundant. Seeds germinate quickly, and plants begin to bloom nearly as early as those of the Morning Glory 10

Grandiflora superba. Fine large flowers, sky-blue, bordered with white . . 5

For other varieties of *Ipomoea*, see *Cypress Vine* and *Morning Glory*.



GAILLARDIA GRANDIFLORA (HARDY)

THE SUMMER CYPRESS

Kochia
Tricophila

Can be planted for an Ornamental Hedge
Makes an exceedingly attractive single Plant

Although this is not a new plant, it is so little known, and so attractive in appearance, that we consider it worthy a place in the garden. It grows two to two and a half feet high, with many slender branches pressed close to the main stem, and resembles a small, closely-sheared evergreen, the slender foliage being light green until September, when the whole plant is a solid mass of crimson. Seeds germinate readily, and may be sown in the open ground about the first of May. The plants should stand about two feet apart

HYACINTH BEAN—Dolichos
Lablab. This really beautiful climbing plant is of quick growth; the foliage is handsome, and the clustered spikes of flowers are borne in great profusion. The shining purple seed-pods are also very ornamental. Tender annual, growing six to eight feet. Seed should be sown where plants are desired, in as warm and dry a spot as possible
New Japan. A new and beautiful variety, with large, pure white flowers, and waxy white seed pods. Eight to ten feet

JAPANESE HOP
A splendid annual climber, rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is much more dense. Seed sown in the open ground in spring will produce large plants in a short time. Withstands heat, drought, and insects.
Japanese Hop
Variegated Japanese Hop. Leaves green and white variegated.

LINUM
Grandiflorum rubrum. Brilliant crimson flowers, an inch or more across, and a continuous bloomer. Annual
Perennial varieties mixed.

LYCHNIS (Hardy)
To obtain good flowers the first summer, start under glass and transplant as early as possible.
Chalcedonica. Two feet high, with heads of brilliant scarlet flowers. Perennial
Haageana hybrida. Finest of the Lychnis family. One foot in height. Mixed colors.
Viscaria splendens. Flowers bright crimson. A very fine red-flowered hardy perennial

We pay the Postage or Express Charges, unless otherwise noted.
Most seedsmen require you to pay these items.

GAILLARDIA

Gaillardias, known as Blanket Flowers, are good bedding plants, being strong, constant bloomers, through the whole summer. Flowers large and showy, two to three inches across; fine for cutting, as they last a long time in water. Set plants twelve to eighteen inches apart. Half-hardy.

- Picta Lorenziana.** Fine double variety. Heads two inches in diameter. Annual
Aurora. Double. Red, tipped with yellow. Fine large flower
Mixed single annual varieties

Hardy Gaillardia

Grandiflora. Perennial. Very large and brilliant flowers of richest colors; crimson, scarlet, orange, and yellow; excellent for cutting. Mixed colors

ICE PLANT

Mesembryanthemum crystallinum. A pretty, half-hardy annual, with delicate, succulent, almost transparent branches and leaves. Of drooping habit, adapted to baskets, vase work, and rockeries. Prized for its singular foliage

LOBELIA

Exceedingly useful plants for edging of flower beds, their free-blooming qualities and brilliant shades of blue to white making a pleasing contrast to the masses of reds and yellows so prevalent in bedding. They are also elegant for hanging baskets, pot culture, etc. All are annuals except *L. cardinalis*, which is a hardy perennial.

- Cardinalis.** Our native Cardinal Flower. Spikes of brilliant scarlet. Blooms first year if well started with heat
Barnard's Perpetual. This is the finest *Lobelia* ever introduced. Flowers a brilliant blue, white eye
Crystal Palace compacta. Dark blue. The best for edging and carpet-bedding
Emperor William. Light blue; compact; very fine
Erinus erecta compacta. Deep rich blue
Erinus erecta alba. White
Prima Donna. Dwarf, compact. Velvety maroon flowers
White Gem. Forms a ball of snow-white flowers
Erinus (gracilis). Blue. Fine for baskets or trailing purposes
Erinus speciosa (Crystal Palace). Dark blue; very fine
Hybrida grandiflora. Large, dark blue flowers, white eye
Mixed varieties, for baskets, etc



PLANT OF SUMMER CYPRESS



ANNUAL LARKSPUR—*Delphinium*

Beautiful plants. They prefer a cool soil and season. Sow seed in fall, or early in spring. The branching varieties grow two feet high, and should stand eighteen inches apart. The Rockets should be thinned to five or six inches apart. The annual varieties are very free bloomers, and produce large spikes of flowers, white, pink, rose, light blue, dark blue, and violet. In some varieties the flowers are double, in others single. The beautiful plume-like foliage is very ornamental, and the whole series are excellent for bouquets and table decorations.

- Double Dwarf Rocket.** One foot in height. Mixed colors, ounce, 25 cents. 5
Double Tall Rocket. Large plant; very showy. Two feet. Mixed colors 5
Stock-Flowered. Double. Branching. Fine for cutting. Two feet. Mixed colors 5
Candelabrum. One foot in height; flowering late. Mixed colors 10
Emperor. Compact; brilliant. Two feet. Mixed colors 5

PERENNIAL LARKSPUR

The perennial Larkspurs are valuable plants. Foliage clean and pretty; habit strong and good; flowering branches of some varieties often four feet high; flower spikes six inches or more in length. Propagated by division of roots and from seed. Sow seed in open ground, early in spring, and strong plants will be produced by fall that will flower the next spring, and some of them the first season.

- Formosum.** Brilliant blue, white eye. Three feet 5
Formosum caelestinum. (Pillar of Beauty). Celestial blue; flowers large; spikes long. Plants three feet in height 10
Nudicaule. Bright scarlet; native of California. One foot. 10
Chinese. Fine. Two to three feet. Blue, white, and pink, mixed (home grown) 5
Zalil (Hardy Yellow Larkspur). A lovely shade of sulphur-yellow, bearing spikes of forty to fifty blossoms each, one inch in diameter. Plants one to two feet 10
Large-flowering Hybrids. Three to six feet high. Flowers of various shades; very showy. Finest varieties mixed. Extra fine stock 5

FOUR O'CLOCK OR MARVEL OF PERU

The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. Two feet high, with bright foliage and fragrant flowers of desirable colors. Set plants two feet apart. Makes a nice hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. The roots may be taken up in the autumn and preserved through the winter for spring planting, in the same manner as Dahlias.

- Marvel of Peru.** Mixed colors, ounce 20 cents 5
Variegated Foliage. Flowers of a variety of colors 5
Long-Flowered White. Sweet-scented flowers three to four inches long 5
Long-Flowered Violet. Same as above, except in color 5
Tom Thumb. Very dwarf. Mixed colors 5

MAURANDYA

Maurandias are delicate and graceful free-blooming climbers, six to ten feet in height. Suitable for greenhouse or outdoor culture, but especially useful for baskets, vases, etc. The flowers are of good size; colors white, and various shades of rose, purple, and blue. Seed should be sown in the hotbed, greenhouse, or in pots in a warm sunny window. Annual.

Finest mixed 10

FORGET-ME-NOT *Myosotis*

Perennial plants, flowering the first season if sown early. Small white and blue flowers. Seed may be sown in a hotbed and transplanted, or in open ground in spring.

- Alpestris.** Blue. Six inches 5
Alpestris Alba. White. Six inches 5
Alpestris rosea. Rose. Six inches 5
Alpestris Indigo blue. New, very fine 10
Alpestris robusta grandiflora (Eliza Fonrobert). Large-flowering, of pyramidal habit. Very fine. Blue, with clearly defined yellow eye 10
Alpestris Victoria. Sky blue, dwarf, strong-growing, globular, abundant. Fine for pots and cutting 10
Palustris (True Forget-me-not). Blue, with yellow eye 10

Vick's Perfection. The finest *Myosotis* known. Large, bright blue flowers. As an edging plant for beds or the shrubbery border it really has no superior. Plant robust, nine inches high. 15

- Azorica var. caelestina.** Flowers sky-blue 20
 Mixed varieties 5

Malope. Ornamental plants of vigorous growth, branching freely; producing large flowers of deep rosy red, veined darker inside, or of pearl white. Sow seeds in open border, as plants do not bear transplanting.

- Grandiflora.** Flowers single, rosy red 5
Grandiflora alba. Single, pure white 5

MARIGOLD

The African and French Marigolds are valuable for their flowers in autumn and can be grown to advantage in little clumps with other plants in the front of shrubbery or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds adapt themselves to spots where the taller varieties would be unsuitable. Seeds can be sown in a coldframe or in a seedbed in the open border, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

AFRICAN MARIGOLDS

- Pride of the Garden.** The immense flowers of this grand variety are densely double, and of a beautiful golden yellow color. A notable feature is the compact, dwarf habit of the plant, which forms dense bushes fifteen to eighteen inches high and two feet across 5
Eldorado. Flowers very large, ten to fourteen inches in circumference, and extremely double; quilled like a Dahlia; primrose, lemon, orange, and golden shades. Plant three feet in height. 5
Lemon Queen. Large lemon-colored flowers 5
Prince of Orange. Large orange flowers 5
Mixed varieties. Ounce, 50 cents 5

FRENCH MARIGOLDS

- Striped, yellow and brown** 5
Tall varieties mixed. Ounce, 50 cents 5
Dwarf varieties mixed. Ounce, 50 cents 5
Dwarf Marigold Little Brownie, or Legion of Honor. A charming single-flowered plant, about six inches high. Very effective in masses or borders. Begins flowering extremely early, commencing in June. Color a brilliant gold, blotched with maroon 5
Gold Margin. Excellent. Flowers velvety maroon, margined with gold. Plant only eight inches high, bushy, compact, and free-flowering 5
Tagetes signata pumila. A beautiful dwarf plant, forming a globular dense mass. Fine for bedding or borders 5





MORNING GLORIES

Convolvulus Major

The old Morning Glory. Annual. One of the most free-flowering and rapidly growing plants in cultivation. The richness and delicacy of the brilliant flowers is unsurpassed. The seeds germinate so readily that they can be grown in the garden anywhere the plants are needed, and almost at any time.

White; white and violet striped; white striped with rose; light blue; dark blue; carmine; lilac; incarnata, bright red; atrosanguinea, dark red; each color 5

All the above mixed. Ounce, 20 cents 5

New Double-Flowering. Very fine. About eighty per cent. of the plants will produce double flowers; the remainder semi-double or single. 10

Large-Flowered Morning Glory, Rochester

This grand Morning Glory is remarkable for the large size and beautiful color of the flower. Vines strong, growing quickly twelve to twenty feet high, with magnificent foliage, leaves measuring from eight to ten inches across, and remaining on the vines close to the ground during the entire summer. Flowers four to five inches across, deep violet-blue in the throat, blending out to an azure-blue, bordered with a wide white band around the edge. The flowers form in clusters of from three to five, from the ground to the top of the vines. 10

Brazilian Morning Glories

Ipomœa setosa. A most interesting climber, with rose-colored flowers from three to four inches in diameter, and leaves eight to twelve inches across. It presents a remarkable appearance, branching in all directions, and intertwining so as to make a mass of foliage impenetrable to the sun's rays. The large seed-pods, with short, reddish hairs on the stems, make it unusually ornamental and attractive. After planting pour on scalding water. 10

At these prices we prepay Postage or Express charges unless otherwise noted.

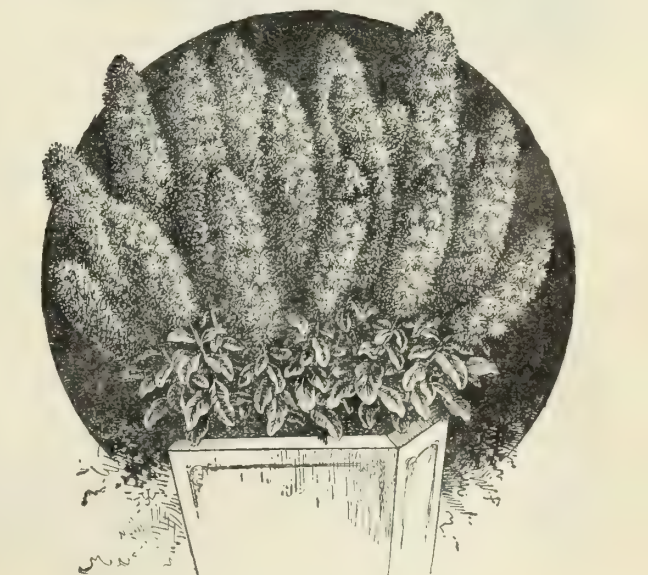
Vick's Own Special Strain of Imperial Japanese Morning Glories

We have given much labor and space to cultivating and improving these large and desirable Morning Glories, and as a result are able to offer a very fine mixture of choice colors, ranging through white with pink throat, white spotted with violet, white spotted with rose, mauve with white throat, lavender with central band of crimson, cobalt-blue with rose bands, violet with blood-red bands, crimson with carmine bands, and purple with maroon bands. Their exquisite beauty and enormous size (from four to six inches across), with their innumerable markings and shadings, command the admiration of all flower lovers. The vines are strong and robust, attaining a height of thirty to fifty feet. The foliage is large and finely cut; sometimes plain green, and occasionally green beautifully mottled with creamy buff. Sold in mixed colors only. Ounce, 50 cents 10

MIGNONETTE

Seeds of Mignonette may be sown at any season, so that by having pots prepared at different times, a succession of flowers can be secured. Seeds sown early in the garden will give flowers through the summer. Plant in a cool place and it will continue to bloom all through the fall. For winter blooming keep in a cool room till buds are formed and begin to show, then bring into a temperature not exceeding fifty degrees at night. Very few cultivate the Sweet Mignonette compared with the many that might show their love for this sweet little flower. Annual.

- Sweet, (Reseda odorata grandiflora.)** A well-known fragrant plant. Ounce 15 cents 5
- Grandiflora Ameliorata.** A large variety, with reddish tinge to the flowers. Ounce 20 cents 5
- Giant Pyramidal.** A mammoth variety. Ounce 60 cents 10
- Golden Queen.** A very fine and distinct variety, with flowers of a golden hue. Ounce 40 cents 5
- Machet.** Plant dwarf and vigorous, of good habit, producing large spikes of very sweet-scented flowers. Fine for pot culture. Ounce 40 cents . . . 10
- Golden Machet.** This variety has all the excellencies of the popular Machet Mignonette, recognized by all as the best for forcing and pot culture. Plants are of strong, compact habit, bearing long massive spikes of golden yellow flowers. Ounce \$1.00 10
- Allen's Defiance.** Spikes from twelve to fifteen inches long, deliciously fragrant. Spikes have been kept three weeks after cutting, retaining the fragrance till every bud opened. Ounce 50 cents 10
- Goliath.** Among all the varieties of Mignonette that have been introduced within the last few years this is the best and most distinct. The plants are compact in habit, with rich green foliage, and the immense trusses of highly-scented flowers are borne on erect, strong, stiff stalks. It is especially suited to house culture. Ounce 40 cents 10
- New Large-flowering Bismarck.** Very large, true pyramidal shape. Reddish-colored flowers borne on strong stems, well elevated above the dark green, slightly crumpled foliage. Ounce 40 cents 10
- Parson's White.** Nearly white; strongly scented. Ounce 40 cents . . . 10
- Ruby.** A fine strain of Machet. Ounce 50 cts. 10
- New Hybrid Spiral.** Robust plant, long spikes. Ounce 20 cents. . . 5



MIGNONETTE, GOLDEN MACHET

NASTURTIUMS

CLIMBING NASTURTIUMS

THESE are among the very best climbers. They require but little attention, for seed sown in the spring of the year in any fair garden soil, not too rich, will produce plants ten to twelve feet in height before autumn. They endure hot and dry weather very well. There are several varieties; the leaves of some being very light transparent green, while in others they are very dark, almost purplish. The flowers are all shades of yellow and scarlet, some of them beautifully spotted. The climbing *Tropæolums* are excellent plants for baskets, vases, etc. Grown two or three in a large pot, with brush or lattice work support, they make a most showy ornament, which can be moved at pleasure.

Vick's Complete Collection of Climbing Nasturtiums

The dwarf Nasturtiums are extremely popular for making a brilliant bed of color, but the Climbing varieties are coming to their own as ornamental coverings for fences, stumps or low trellises. They bloom freely, and present a great variety of colors. The following eighteen varieties are offered

In One Collection for 50 Cents

Tropæolum Majus

Per ounce, 15 cents; packet, 5 cents

<i>Atropurpureum</i> . Dark crimson.	<i>Scheuerianum</i> . Straw-color, brown striped.
<i>Atropurpureum fol. aureis</i> . Foliage yellow, flowers crimson.	<i>Scheuerianum coccineum</i> . Scarlet striped.
<i>Chocolate</i> .	<i>Scarlet</i> .
<i>Dark Orange</i> .	<i>Schulzii</i> . Brilliant scarlet.
<i>Edward Otto</i> . Bronze, silky.	<i>Schillingi</i> . Bright yellow blotched with maroon.
<i>King Theodore</i> . The darkest.	<i>Vesuvius</i> . Brilliant salmon-rose, dark-leaved.
<i>Orange</i> . Very handsome.	<i>Von Moltke</i> . Bluish rose.
<i>Pearl</i> . Creamy white.	<i>Yellow</i> .
<i>Prince Henry</i> . Light yellow, marbled with scarlet.	
<i>Regelianum</i> . Purple-violet.	
<i>Mixed varieties</i> . The green seed-pods used for pickles. Pound, 80 cents; oz., 10 cents	
<i>Extra choice mixed</i> . ¼ pound, 50 cents; oz., 20 cents	

Tropæolum Lobbianum

Resembling the tall variety in habit, with beautiful and various colored flowers borne in great profusion. The flowers and foliage are somewhat smaller than the ordinary Nasturtium. Half-hardy annual.

<i>Asa Gray</i> . Yellowish white, very fine	5
<i>Giant of Battles</i> . Sulphur and red	5
<i>King of the Blacks</i> . Very dark brown	5
<i>Lucifer</i> . Very dark scarlet	5
<i>Primrose</i> . Cream, with brown spots	5
<i>Princess Victoria Louise</i> . Light yellow, with blood-red spots and spots	5
<i>Choicest mixture</i> , oz., 20 cents	5
<i>Canary-bird Flower</i> . One of the finest of the Nasturtium family, resembling a Canary Bird with expanded wings. Half-hardy annual,	5

TOM THUMB NASTURTIUMS

Nasturtiums are much used for making dense masses of color, the Tom Thumb varieties being especially desirable for this purpose. In the hottest weather they thrive and bloom luxuriantly. When planted in poor soil they flower profusely; if the soil is too rich they run to leaves. Hardy annuals.

<i>Aurora</i> . Salmon-rose, mottled and veined	5	<i>Dark Crimson</i>	5	<i>Regelianum</i> . Purplish violet	5
<i>Beauty</i> . Orange and vermillion	5	<i>Golden King</i> . Golden yellow flowers. Very fine	5	<i>Rose</i> . Rose, tinted with salmon	5
<i>Bronze</i> . Beautiful coppery bronze	5	<i>Golden Queen</i> . A beautiful new golden-flowered, yellow-leaved variety	5	<i>Ruby King</i> . Foliage dark	5
<i>Carter's</i> . Scarlet	5	<i>King Theodore</i> . Flowers very dark	5	<i>Scheuerianum coccineum</i> . Scarlet striped	5
<i>Chameleon</i> . Mottled crimson, bronze, and yellow	5	<i>King of Tom Thumbs</i> . Leaves bluish green, flowers brilliant scarlet	5	<i>Spotted</i> . Yellow, crimson spots	5
<i>Cloth of Gold</i> . Golden-leaved; flowers intense scarlet	5	<i>Lady Bird</i> . Golden yellow, flamed crimson	5	<i>Spotted King</i> . Rich orange, maroon spots	5
<i>Cæruleo-roseum</i> . Bluish rose	5	<i>Luteum</i> . Yellow	5	<i>Extra Choice Mixture</i> , from named sorts, ¼ pound, 60 cents; oz., 20 cents	5
<i>Crystal Palace Gem</i> . Sulphur, maroon spots	5	<i>Pearl</i> . Light cream	5	<i>Mixed varieties</i> , 1 pound, \$1.00; ¼ lb., 30 cents; oz., 10 cents	5
<i>Empress of India</i> . Dark leaves, crimson flowers	5	<i>Prince Henry</i> . Light yellow, marbled scarlet	5		



New Climbing Nasturtium

"Hybrids of Madam Gunther." A strain of French origin, most remarkable for the wide range of exquisite colors, showing pink, purple, rose, salmon, light yellow, dark maroon, deep orange, etc., etc.; also striped and blotched, mottled and variegated in the most fantastic manner. They are strong growers, climbing five to seven feet, with rich dark foliage. Fine for porches, vases, or trailing on the ground. Half-hardy annual. Ounce, 25 cents



Pansy Trial Grounds on Vick's Seed Farm. Our Masterpiece Mixture was tested here.

Vick's Superb Large-Flowering Pansies

Masterpiece Mixture

A new mixture of the choicest varieties of the Masterpiece or Giant Five-spotted class. Masterpiece Mixture will give an unusually wide range of colors — white to deepest maroon or black, creamy yellow to orange, dainty rose to brilliant crimson,—in fact, you will be delighted from day to day with the changing colors in your bed of Pansies. We have tried to give you an idea of the beautiful colors by reproducing four of the varieties on the covers of this book, but pictures cannot begin to show the flowers in their natural brilliancy and delicate tints. This year we are offering Masterpiece Mixture at a very low price, **30 cents a packet, 1/2 ounce, \$1.00.**

Bugnot's Superb Blotched. French strain; a beautiful class. Large flowers, broad blotches, and from the large spots extend delicate pencilings to extreme edge of petals. Seed of our own growing, saved from selected plants. Packet, 25 cents.

Bugnot's Exhibition. Saved from plants obtained from the growers' original seed. Packet, 75 cents.

Cassier's Giant Blotched. A magnificent strain of the popular Odier type. Flowers extra large, of fine form and good substance. Each petal is marked with a large, clearly defined blotch. Packet, 25 cents.

Giant Orchid-Flowered. A distinct new race, embracing many rare shades. Packet, 25 cents.

Odier, or Large-eyed. A superb strain of variously colored, perfectly formed flowers, with dark blotches on the petals. Very showy. Packet, 20 cents.

Parisian Large Flowered Striped. Extra large flowers. A very showy strain. Packet, 15 cents.

President Carnot. A strikingly beautiful variety. Petals pure white with deep violet blotch. Packet, 20 cents.

THE PANSY gives an abundance of bloom until after severe frosts, endures our hard winters with safety, and greets us in the early spring with a profusion of bright blossoms. Pansy seed may be sown in the hotbed or open ground. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seeds sown in a cool place in May or June, and well watered until up, will produce fall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth, as they will in rich moist loam. Young plants give the largest flowers. The old worn-out plants should be replaced. If the plants come into bloom in the heat of summer, the flowers will be small at first, but as the weather becomes cooler they will increase in size and beauty. They will flower better in mid-summer if planted where somewhat shaded from the hot sun, and especially if furnished with a good supply of water; but in almost any situation will give fine flowers in the spring and autumn.

Vick's Giant Superb Pansies

No other grower of Pansy seed has yet succeeded in producing a mixture of such high grade as Vick's Giant Superb strain. Since we first introduced it, more than ten years ago, this superb mixture has not been equalled by any mixture offered to the public. The flowers are uniformly of the largest size, the colors striking in their brilliancy and yet retaining all the delicate shades, hues and pencilings that have made the Pansy one of our most favored flowers. Each year we add to this Superb mixture many of the new and high-priced varieties, our aim being to keep it at the very top of all mixtures, and to make it absolutely unapproachable in quality. Packet 50 cents; 1/2 ounce \$1.25; ounce \$9.00.

Vick's Peerless Pansies

Comprise the choicest of the standard large-flowering sorts, including many of the rare and expensive varieties, such as Bugnot, Odier, Cassier, and Trimardeau types. For size, perfect form, freedom and durability of bloom, and gorgeous colorings, the Peerless Mixture will please the most critical grower of Pansies. For a charming display of show or exhibition Pansies you should try at least a packet of Vick's Peerless. Packet 25 cents; 1/2 ounce, 90 cents; ounce, \$5.

VICK'S PANSIES—Continued

Masterpiece

A recently introduced strain of the Giant Five-spotted class. The general habit of the plants is strong and compact. In summer, when the weather is warm and dry, it maintains a healthy appearance longer than any other Pansy. The large flowers are borne well above the foliage, on strong stems, possess greatest substance, are perfectly round, and contain a rich combination of colors. Each petal is distinctly marked with a very large dark blotch, and most of the flowers are margined with a light, white, or yellow edge. Packet, 20 cents.

Giant-Flowering Varieties

A distinct class. Plants vigorous and compact. The flowers are thrown well above the foliage and many of them are marked with large blotches. They are of enormous dimensions—some specimens grown on our grounds measuring over three inches in diameter. We offer the following separate colors of this wonderful strain:

- Andromeda.** This lovely frilled variety is of a delicate apple-blossom, showing a soft lavender or lilac hue, rendered more effective by a darker lining. 20
- Adonis.** Beautiful light blue. 10
- Auricula-flowered.** Fine shades. 10
- Bridesmaid.** New. Rosy white ground, beautifully blotched. 25
- Dark Blue.** 15
- Emperor Franz Joseph.** White with large violet blotches. A superior bedding variety. 20
- Emperor William.** Ultramarine blue, with violet-purple eye. 15

- Fire King.** Golden yellow, upper petals purple. Showy. 25
- Freya.** Dark purple, with broad pure white margin; extra fine. 15
- Golden Queen.** Pure yellow. 25
- Hortensia Red.** 25
- King of the Blacks.** Almost jet black. Extra fine large-flowering strain. 25
- Lord Beaconsfield.** Purple-violet, shading to white in the upper petals; splendid. . . . 15
- Madam Perret.** True. Petals frilled. Dark wine, pink, and red shades beautifully veined, all with white margin. 15
- Peacock.** Large peacock-blue flowers, white edged. A superb variety. 20
- Prince Henry.** An extra fine variety of the darkest blue. 20
- Prince Bismarck.** Light brown shades, with dark eye. Extra. 15
- Psyche.** A beauty in form and color, elegantly curled and undulated. 20
- Ruby King.** New. Superb red shades. . . . 20
- Snowflake.** Extra fine pure white. 15
- Striped.** Fine. 15
- White, with Purple Eye.** 15
- Yellow, with Black Eye.** 15
- Mixed varieties.** oz., \$3.00; ¼ oz., \$1.00; ⅓ oz., 60 cents. 10

Standard Varieties

Each 5 cents per packet.

- Atrosanguinea.** Dark red.
- Azure-Blue.** Extra fine.
- Black, with bronzy center.** Fine.
- Bronze-color.**
- Brown-Red.** Various shades.
- Cardinal.** Brilliant dark red.
- Coquette de Poissy.** Distinctive mauve color.

- Dark Blue.** Very rich, constant.
- Dark Purple.** Rich, deep purple. Fine.
- Diana.** Cream-colored; quite distinct.
- Emperor Frederick.** Dark red, bordered with orange-scarlet.
- Emperor William.** Ultramarine-blue, with violet-purple eye.
- Fawn-color.** (Prince Bismarck.)
- Fairy Queen.** Brilliant sky-blue, silver-white margin. Very showy.
- Fire King.** Golden yellow, upper petals purple.
- Gold-Margined.** Exceedingly beautiful color.
- Havana Brown.** Beautiful shades of brown.
- King of the Blacks.** Almost coal-black.
- Light Blue.** Lovely shades of sky-blue.
- Lord Beaconsfield.** Deep purple-violet, shading to lighter hue.
- Mahogany-colored.** A very fine variety.
- Meteor.** Bright brown.
- Mourning Bride.** Dark purple, red or white edge.
- Purplish Violet.** Distinct and fine.
- Quadricolor.** Distinct. Colors brilliant.
- Red Riding Hood.** Brilliant red.
- Rosy Lilac.** Distinct, and very fine.
- Silver-Edged.** Dark purple, with white border. A charming variety.
- Snowy White.** Good form and size.
- Striped and Mottled.** Extra, and very showy.
- Victoria.** Rich velvety claret-red, large flowers.
- Violet, with white border.**
- White, with dark eye.** Very showy.
- Yellow, with dark center.**
- Yellow Gem.** Clear yellow, without eye. A gem.

One packet of each of the above thirty-five for \$1.25; or any ten for 40 cents.

Mixed Seeds of the above sorts.
oz. \$1.50; 1-8 oz. 25c.; pkt. 5c.



GIANT-
FLOWERING
PANSY
MASTERPIECE

SEND YOUR ORDER EARLY

Before the "rush season" begins; we can thus give special attention to your wants, and you will have your seeds and plants when spring comes. It will be to your advantage to Order Early as it will possibly avoid writing about your goods, and this is an annoyance to you.

MIMULUS

The Mimulus, or Monkey Flowers (named from the resemblance of the corolla to a mask or face), are beautiful tender plants with almost transparent branches. Fine for baskets, vases, and house culture, and do well planted out where they will be somewhat shaded. Perennial, but bloom the first season.

- Hybridus tigrinus grandiflorus.** As beautifully spotted as the Calceolarias. 10
- Musk Plant.** 5
- All sorts mixed.** 5

NICOTIANA

Sandera. The Hardy Annual of the Century. Among Nicotianas nothing approaches it in point of floriferousness, nor in its graceful and copiously branching habit. The whole plant, from base to summit, is laden with flowers of an intensely glowing rosy-carmine color, and either in flower beds, shrubbery borders, or in the wild garden it is incomparably beautiful and charming. No plant is easier to grow. Sow seed in January; prick out the plants in the ordinary way; transplant in May to the place where they are to flower; this is all that is necessary. The care given to the most ordinary annual will suit this new Nicotiana admirably. 10

Affinis is one of the best Nicotianas we have ever grown. The plant attains the height of three feet, and at evening and early morning is covered with deliciously-scented, large, white flowers. Easily grown from seed, and cuttings rooted in September will bloom freely in the winter. . . . 5

Sylvestris. Grows about five feet high, with very symmetrical foliage. The very long pendulous flowers are delicately fragrant, and are borne in great profusion. 5

NIGELLA

Pretty, hardy annuals, with fine feathery foliage. May be sown in the open ground early in spring.

- Damascena.** (Love-in-a-Mist.) One foot. Mixed colors. 5
- Damascena nana.** Dwarf. Six inches. Mixed colors. 5
- Hispanica.** One foot. Large-flowered. Mixed colors. 5
- Fontanesiana.** Large-flowered. Blue. Blooms very early. 5

Petunia seed will germinate with little difficulty if a reasonable amount of care is used in sowing. First, be sure that the soil is well pulverized; then sow the seeds on the surface, pressing them into the soil by using a small, smooth board and *cover very lightly* with sand or fine soil. Seed sown in a hotbed or coldframe early in the spring, will produce flowering plants in June. Set the plants about eighteen inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. Seeds of Double Petunias do not possess as much vitality as those of the single, neither will all come double. Annual.



Vick's Ruffled Petunias

The most showy Petunias ever offered to admirers of these handsome flowers. Have a bed of Petunias this year that will be the admiration of all your friends.

No bedding plants make a more pleasing display than Vick's Ruffled Petunias. The distinct colors and markings make a brilliant show. The plants make a strong growth and bloom profusely. One greenhouse 100x20 feet is devoted exclusively to this strain; in it the plants are grown separately in pots and hand pollinated. This mixture is decidedly in advance of any other foreign or American strain, embracing the greatest range of color and the largest size of flower. 25 cents per packet.

GRANDIFLORA, LARGE-FLOWERED SINGLE.

- | | | | |
|---|----|---|----|
| Superbissima. Magnificent flowers, of various colors, with large throats beautifully veined. Extra fine | 25 | Marginata. Pink, veined with rose, and green margin | 25 |
| Alba. Large white, fine form. | 25 | Venosa. Variety of colors, beautifully veined | 25 |
| Brilliant. Deep rose. | 25 | Violacea. One of the noblest of the large-flowered Petunias. Rich violet. | 25 |
| Kermesina. Rich crimson. | 25 | Choice mixed. From show flowers | 25 |
| Maculata. Beautifully blotched and striped | 25 | | |

GRANDIFLORA, LARGE-FLOWERED SINGLE, FRINGED.

- | | | | |
|--|----|--|----|
| Alba. White, edges crimped and fringed | 25 | Vick's Fringed. Flowers with fringed and frilled edges; distinct and beautiful; comes true from seed. Mixed colors | 25 |
| Brilliant rose. Fringed edge | 25 | | |

GRANDIFLORA, LARGE-FLOWERED DOUBLE.

- | | | | |
|---|----|---------------------------|----|
| Aurora. Light rose, veined crimson-purple | 50 | White | 50 |
| Brilliant rose | 50 | Mixed varieties | 50 |

GRANDIFLORA, LARGE FLOWERED DOUBLE, FRINGED

- | | | | |
|--|----|---------------------------|----|
| Brilliant rose | 50 | Mixed varieties | 50 |
| Lady of the Lake. Pure white | 50 | | |

DOUBLE-FLOWERED BEDDING PETUNIAS.

- Compacta nana multiflora fl. pl. Dwarf, compact plant, profuse bloomer. Fine for bedding. Mixed colors 25

SINGLE-FLOWERED BEDDING PETUNIAS

- Bedding varieties are unsurpassed for massing. They will make a more showy bed, giving a profusion of flowers from early summer until frost.
- Blotched and Striped, very symmetrically marked 10
- Belle Etoile. A beautiful, somewhat large-flowered strain of the above . . . 10
- Brilliant. Rosy carmine 10
- Countess of Ellesmere. Dark rose, with fine white throat 10
- General Dodds. Beautiful dark red 10
- Illustris. Carmine-rose 10
- Kermesina. Fine crimson 10
- Venosa. Various shades, handsomely veined 10
- Extra Choice Mixed. Superb strain 10
- Fine mixed 5
- New Dwarf Inimitable. A really dwarf variety, forming a compact little plant five to eight inches in height by as much in diameter, covered with regularly striped flowers. Adapted for massing and pot culture . . 10
- Snowball. A charming new dwarf pure white variety 10
- "Giants of California."** This strain, originating in California, is of incomparable size, luxuriance, and beauty. Nearly all the flowers are ruffled or fringed, and measure from four to five inches across. The great variety of colors, blotchings, stripings and veinings make fantastic and beautiful combinations,—some with deep throats of yellow, white, black, green, or maroon, running off into intricate veins. Some of the colors run to delicate shades, while others are deep, rich, and gorgeous 20

One Packet each of the following Petunias for

} 85 cents

Large-Flowering Single. Choice mixed	25
Vick's Fringed. Mixed colors	25
Giants of California. Mixed colors	20
Single-Flowered Bedding. Extra choice mixed	10
Double-Flowered Bedding. Mixed colors	25

PHLOX

The word *phlox* signifies "a flame," and a bed of Vick's Phlox is a dazzling sight. In a good, rich soil, the plants will grow eighteen inches or more in height, and for a mass of splendid colors no annual or perennial will give a more satisfactory return for so little cost. The colors range from the purest white to the deepest blood-purple or crimson, while the clear eye of some of the varieties is peculiarly marked. The Phlox makes a very good border or low summer hedge. The finest effect, however, is produced by planting each color in a separate bed, or in ribbon fashion, its constant blooming making it desirable for these purposes. In selecting the plants, get good contrasts of color, as white, scarlet, and rose. Phlox usually comes very true from seed, so that it is particularly desirable for forming ribbon-beds; and if a plant of wrong color is found it can be easily removed and the place will soon be filled, for the Phlox is a vigorous grower when it has room. Seed may be sown in the open ground as early in spring as the soil can be put in good condition, or in hotbed or coldframe earlier; and in either case, from June, during the summer and autumn, the plants make a most brilliant show of flowers. Set the plants about one foot apart; if too thick, they suffer from mildew. We grow several acres of Phlox every year, devoting much care to its improvement, and our Phlox Drummondii is the best the world produces.

Phlox Drummondii Grandiflora

The flowers of this section have round petals and larger flowers than the old sorts. These varieties we have found to be nearly constant.

Alba pura. Pure white.	Isabellina. Light yellow.
Atropurpurea. Deep purple.	Kermesina splendens. Vivid crimson; one of the best for massing.
Atropurpurea alba oculata. Dark purple, white eye.	Leopoldii. Splendid rose color, with white eye.
Brilliant. Delicate pink; white eye.	Quadricolor rosea. Rose petals, shaded separate.
Coccinea. Brilliant scarlet.	Rosea. Beautiful pink, shading to rose, with darker eye.
Carnea. Flesh color. Beautiful.	Stellata splendens. Clear scarlet, white eye.
Carminia alba oculata. Rose-carmin, white eye.	
Chamois rose. Pale rose.	

Price, per packet, 10 cents; any seven for 55 cts. The set of fourteen for \$1.10.

Phlox Drummondii grandiflora, choice mixed, ounce, 75 cents . . .	10
Phlox Drummondii, fine mixed	5

Phlox Drummondii Nana Compacta

The dwarf annual Phloxes are very desirable for edgings and ribbon beds and useful for pot culture. They grow six to eight inches in height, forming dense masses of bloom all summer. Of the many varieties the following are the best. Fireball. Bright scarlet. . . . 10
Snowball. Pure white. 10

Star Phlox

A decidedly unique variety. While the petals of all other Phloxes are entire, in this variety they are partly fringed and partly toothed; the central teeth of the petals are five or six times as long as the lateral ones, projecting like little spines, giving the flowers a regular star-like form. The beauty of the flower is enhanced by a white margin which borders the edges of the petals. There are many distinct colors. Best varieties mixed 10

PRIMROSE

In this country Primroses do well in a cold house, but in the open ground succeed best in a northern border. *P. vulgaris* is the sweet, beautiful English Wild Primrose, so ardently loved by all who spent their childhood-days among the green lanes of England. Sow seeds under glass and transplant. Perennial.

Primula auricula. Fine mixed	25
Auricula. From named flowers	50
Elatior (Polyanthus). Fine mixed	10
Polyanthus, Gold-laced. Choicest mixed.	25
Vulgaris. Wild English Primrose	10

For other varieties of Primula see Plant Department.

PERILLA NANKINENSIS. A very elegant dark-leaved plant with purplish mulberry-colored foliage. Annual. Eighteen inches in height 5



Vick's Seeds Never Fail

For 35 years I have used your seeds with only a few exceptions, and have never failed in having them come true, and only failed when I used other seeds. Your Crisp as Ice Lettuce grows here all year and is most delicious, making a large head, firm and white.

Wm. F. Brown, Alabama.

PYRETHRUM (Hardy)

Handsome herbaceous plants of easy culture. It would be well to sow seeds under glass, but we have grown them by sowing seed in the open ground. Begin blooming in June; by removing old flower stems, a second crop of blooms may be had in autumn.

Roseum hybridum. Double varieties mixed	25
Roseum hybridum. Single varieties mixed	10
Double White Feverfew	10
Golden Feather. Prized for its yellow foliage	10

SENSITIVE PLANT

Mimosa pudica. The Sensitive Plant affords a good deal of amusement, on account of its sensitive leaves, which close up when touched. Seeds should be started under glass. Do not transplant to the open ground until warm weather. Annual 5

SCHIZANTHUS

The Schizanthus is a beautiful half-hardy annual, of very graceful habit. The flowers are butterfly-shaped, of rich and varied colors, and completely cover the plant. About two feet high. Best varieties mixed 5

LOVE-IN-THE-GROVE. Baby Eyes. *Nemophila.* Flowers blue and white. They do best if sown in a frame and transplanted early. Set about six inches apart. Mixed varieties, ounce, 20 cents 5

Remember that Vick pays the postage or express charges on all articles listed in this catalog—unless otherwise stated.

Poppies

both single, semi-double and double. Plants grow from twelve to thirty inches in height. The plants have strong tap roots, and are difficult to transplant; it is better to sow the seed early in the spring where the plants are to flower.



Danish Flag
Carnation-flowered Peony-flowered
Hardy Poppies
Iceland Poppies
Papaver nudicaule

elegant crushed-satin-like flowers are produced continuously and in great profusion from June to October. The flowers will last fully a week, if cut as soon as open.
Pure White, Yellow and Orange. Separate or mixed each 1
Collection of the three Iceland Poppies for 25 cents.

ORIENTAL POPPIES

- The single, large, oriental Poppies are a great addition to the herbaceous border, and are of greater value among shrubbery, as they tend to relieve and lighten up the usually dark and sombre character of clumps of shrubs. Flowers very large, five or six inches across.
- Bracteatum. Scarlet. Three feet high 5
 - Oriental. One of the most striking and showy hardy garden plants, bearing great flowers, six or eight inches across, deep scarlet with a bluish-purple base. The plants are very hardy and easily grown from seed. Very large; red. Three feet . . . 5
 - Involucratum maximum. Fine large scarlet flowers 5

ANNUAL VARIETIES

Tall Poppies—The Opium Type

Growing from two to three feet in height

- Vick's Brilliant is a superior variety, of strong, robust growth, two to three feet high. The flowers have a variety of bright colors; pure white with a pink tinge, scarlet, rose, purple, and other shades, and are so beautiful and bright as to be almost dazzling to the eye. Round as a ball; perfectly double 10
- Mikado. Flowers large and loose, resembling the Japanese Chrysanthemum; petals cut and fringed in the most fantastic manner; color pure white, edged with purple 5
- Danish Flag. Flowers brilliant scarlet, large silvery white blotch at the base of each petal, forming a white cross on scarlet ground 5
- Peony-flowered. A splendid class of large double flowers, with broad petals, resembling a Peony; colors range from white to pink, carmine, scarlet, crimson, and maroon 5
- Carnation-flowered (somniferum fl. pl.) Double Opium Poppy. Splendid large double flowers. Deeply fringed; same style as Vick's Brilliant. Mixed colors, ounce, 20 cents 3
- Opium Poppy. True, single. Pound 90 cents; ounce, 10 cents 5
- American Flag. Flowers snow white, bordered with scarlet, large, double 5
- White Swan. Large double flowers, elegantly fringed, pure white. 5
- Golden Gate. Single, semi-double, and double flowers, in a great variety of colors 5

Small Poppies—The Shirley Type

Growing from 18 to 24 inches in height

- Shirley. Flowers exceedingly graceful and elegant; single; colors ranging from blush white, delicate pink, rose and carmine, to bright sparkling crimson, occasionally blotched and streaked with white. The best and most showy of all single poppies 5
- Ranunculus-flowered. Plants two feet high; free bloomers. Flowers double, two inches across. All shades of color, from white to deep crimson. 5
- Scarlet single. The single Scarlet Corn or Field Poppy of Europe. Very gorgeous 5
- Umbrosum. Of dwarf habit; branching. Flowers bright vermillion, with a shining black spot on each petal. Very showy 5
- The Tulip. An elegant and distinct variety. Plants from twelve to fourteen inches high, producing well above the foliage fifty to sixty large splendid flowers of the most vivid scarlet imaginable. From a mere description no adequate idea can be gained of its strikingly beautiful effect. The plant commences blooming early in June, and flowers abundantly for a period of from six to eight weeks 5
- Cardinal Poppy (New hybrids). About eighteen inches high, habit erect and compact. Foliage dark green, deeply lacinated. Flowers chamois and brilliant rose, or light ground; purple, crimson, brick rose on black, brown, or violet ground. 5

Hardy Plants old and New

A book describing and handsomely illustrating Perennial Plants, Roses, Shrubs and Climbers

Contains reliable information about the best varieties for beautifying the home grounds; also a table showing the blooming season, enabling you to obtain a succession of flowers from February to December. The book is richly illustrated by photographs direct from nature. Ask **today** for a **free** copy; it will be mailed to anyone, anywhere.



FLOWER OF SINGLE PORTULACA



PLANTS OF DOUBLE PORTULACA

PORTULACA

No bedding plant equals the Portulaca for places exposed to the hot sun of mid-summer. It delights in intense heat, and dry weather seems to have almost no effect on the plants. The plants are of low growth, and spreading in habit, each plant covering a space of about two feet in diameter. The flowers of the double varieties are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower, and in making a ribbon bed with Portulaca, wait until the first flower opens, so as to be sure of the color. Annual.

Alba, pure white; **alba striata**, white, striped with rose; **caryophylloides**, rose, striped with carmine; **New Rose**, fine rose color; **Thellussoni**, fine scarlet; **splendens**, crimson; **Thorburni**, straw color; **aurea vera**, deep yellow; **aurea striata**, sulphur yellow striped with gold. Each of the single varieties 5

Fine mixed single varieties, ounce, 50 cents 5

Double Rose-Flowered. A perfectly double variety, as much so as the Rose and of many brilliant colors, as well as striped. First quality, mixed colors . . 10

Double Rose-Flowered. Seven different colors—crimson, scarlet, rose, white, rose striped with carmine, orange, yellow—each color . . . 15

RICINUS Castor Oil Plant

A Showy Ornamental Foliage Plant for Bedding

In the center of a bed, it gives a magnificent semi-tropical appearance; or planted thick, it makes a fine screen or hedge. Plant seed in open, very rich deep-spaded ground, in a dry situation, as soon as safe in spring. The common Castor Oil Bean is cultivated for the oil, and grows about twenty bushels per acre. Annual.

Macrocarpus. Whitish; beautiful. Six feet, ounce, 20 cents 5

Purpureus. Purple stems and leaves. Magnificent. Six feet, ounce, 20 cents 5

Borboniensis. Very beautiful large green leaves. Fifteen feet, ounce, 20 cents 5

Cambodgensis. The finest dark-foliaged Ricinus. Leaves maroon; stem nearly black; fruit bronzy purple. Five feet, ounce, 20 cents . . . 5

Duchess of Edinburgh. Dark purple stem and leaves. Ten feet, ounce, 20 cents 5

Africanus hybridus. Fine. Stem and fruit rose. Six feet, ounce 20 cents . 5

Philippinensis. Very large, beautiful leaves. Ten feet, ounce, 20 cents . 5

Sanguineus. Blood-red stalk and clusters of red fruit. Eight feet, ounce, 20 cents 5

Castor Oil Bean **Communis**, Pound, 50 cents; **Palma Christi**, ounce 20 cents 5

Mixed varieties of preceding. Ounce, 15 cents 5

Zanzibariensis (Zanzibar Castor Oil Plant). New and distinct. The gigantic leaves, two to two and one-half feet across, and the great size of the plant, surpass any other known Ricinus. The luxuriant tropical appearance when planted singly or in masses is matchless. Mixed varieties, ounce 15 cents 5

Remember that our prices include the Postage or Express Charges on all articles in this Catalogue, unless otherwise stated.

SALPIGLOSSIS

A beautiful flower, delicate in color, and peculiarly rich in its markings

Grandiflora. This has long been one of our favorite flowers, but has never attained the popularity to which it is entitled. Our illustration shows its forms and veinings, but nature only can paint its colors. It is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully penciled. Very effective in the sunlight, which brings out the beautiful tints and veinings. Unsurpassed for cutting. Plants about two feet in height. Mixed colors 5

New Emperor. This variety shows a very marked and striking distinction in habit of growth as well as in its flowers. It forms only one thick main stem about thirty inches high, which is thickly covered with flowers considerably larger than those of the old type, and presents a compact bouquet, in the various rich velvety colors usual to the species—purple, crimson, scarlet, rose, etc.—veined with gold. Mixed colors . . 10

NIEREMBERGIA GRACILIS. Tender perennial. Suitable for house culture, or may be treated as a tender annual. Fine for baskets, vases, etc. Light blue saucer-shaped flowers 10



SALPIGLOSSIS GRANDIFLORA

How to Grow Asters

A booklet giving comprehensive directions for growing Asters from seed sowing to blooming time; also diseases and the remedies. Price 10 cents. Free with an order for 25 cents worth of Vick's Aster Seed.

SALVIA—or Flowering Sage

The Scarlet Salvias are among the most brilliant red-flowering bedding plants in cultivation. They bloom from middle of July to frost. Sow seed early in doors or in a frame in time to get good plants to set out of doors the latter part of May, or when the weather is suitable. Massed in a bed, or a row or two around the verandah, they make a beautiful show. Set plants one foot apart.

Clara Bedman (Bonfire). The plants are compact and produce long spikes, of which there are sometimes two hundred to a plant, bearing from twenty to thirty flowers each. For masses on the lawn or in the garden, or in rows along the walks, its brilliant, dazzling scarlet flowers are simply gorgeous. 10

Burning Bush (S. Splendens gigantea prostrata) This magnificent variety blooms earlier than any other Salvia, and the flowers are produced in such great numbers that they cause the spikes to droop gracefully with their weight, the effect being showy and attractive. The flowers are of a brilliant, dazzling scarlet, and borne in endless profusion all summer and fall. 20

Alfred Raguenau. A new dwarf Salvia. The plants grow only eighteen inches high, compact, and covered with flower spikes of a brilliant scarlet, clear above the foliage. Fine for massing or for border around beds of other plants. 10

New Golden. Foliage a rich golden yellow, constant and distinct. Flowers brilliant scarlet, the spikes large and full, making a striking contrast. Plant only eighteen inches high. 15

Splendens. True; large, scarlet. 10

Patens. Flowers of a delightful blue. 15

CORNFLOWER ASTER

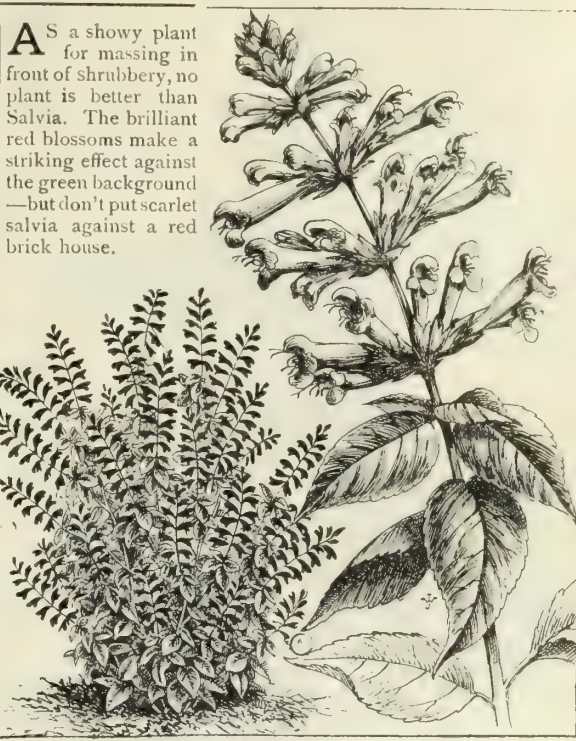
Stokesia Cyanea

This plant grows about 18 inches high, bearing freely, from early July until frost, its handsome lavender-blue Centaurea-like blossoms, each measuring from four to five inches across. It is of the easiest culture, succeeding in any open sunny position, and is not only desirable as a single plant in the mixed hardy border, but can be used with fine effect in masses or beds of any size. We have no hesitation in saying that the Cornflower Aster is one of the most beautiful, valuable and desirable hardy plants.

Seed, per packet, 10 cents. Plants, each, 20 cents.



SWEET WILLIAM



SALVIA

SWEET WILLIAM

The best varieties of Sweet William are of exceedingly beautiful colors, very large and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by division of the roots. The colors pass from white to pink, crimson, carmine, and purple; with distinct eye encircled with color differing from the rest of the flower, like Phlox or Verbenas. They make very durable cut flowers. It is well to raise new plants every year from seed, for old plants become debilitated and unsightly, and the flowers decrease in size.

- Holborn Glory.** New. Magnificent large flowers of the most beautiful shades. 10
- Perfection (Auricula-flowered).** Single varieties mixed. 5
- Double varieties mixed.** 5
- Dunetti.** Single. Blood-red, velvety texture. 5
- White.** Single. Constant. 5

SUNFLOWER—Helianthus

Coarse tall plants, from four to eight feet in height, with bright yellow flowers. The double varieties produce a very good effect among shrubbery, and when used as screens. Sometimes reproduced from self-sown seed. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry.

- Globosus fistulosus (Chrysanthemum Flowered).** Best of the Sunflowers. Very large; double. 5
- Double Green-centered.** Large flower, green center when young; when old perfectly double. Five to eight feet in height. 5
- Dwarf Golden.** Variegated foliage, five to six feet high. Very effective as single specimens. Seventy to eighty per cent. true from seed. 10
- Extra Double Dwarf.** About four feet high. Each branch, from the ground to the top of main stem, bears a golden flower. 10
- Mammoth Russian.** Very large. Usually grown for feed. Per pound, 30 cents; 1/4 lb., 15 cents; 1/8 lb., 10 cents; oz. 5

PLACE YOUR ORDER FOR SEEDS EARLY—before the "rush season" opens. We can take care of it quicker, maybe the same day it is received—and you will have everything on hand when planting time comes.

Sweet Peas

ANY ordinary garden soil is well adapted for growing these beautiful and popular climbing plants. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. *Do not wait for fair weather.* Sow the seeds in a trench four inches deep and cover with about an inch of soil. After the plants are well up, thin them to about six inches apart and gradually fill the trench to the level of the garden. When hoeing draw the soil towards the plants, but do not form a ridge. One quarter pound of seed will sow fifty feet. Furnish support early. The one important point is to keep the surface of the soil fine and mellow from the time it is worked up in the spring.

The following list embraces **the most desirable sorts** that have been brought out up to the present time, although we can furnish any of the numerous varieties offered by the trade.

Per packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; $\frac{1}{2}$ lb., 35 cents; lb., 60 cents; unless otherwise noted.

Not less than $\frac{1}{4}$ pound of a variety at the quarter-pound rate.

White

Dorothy Eckford. Very large, semi-hooded form. A grand flower.

Emily Henderson. Early, vigorous and a profuse bloomer.

Mont Blanc. Extra early. Dwarf.

Nora Unwin. A splendid flower. Extra large and open, wavy form. Packet, 10 cents; oz., 20 cents.

Sadie Burpee—black seeded. The hardiest white Sweet Pea. The buds show tint of pink.

Rose and White

Apple Blossom. Standard crimson pink. Wings white, shaded pink. Hooded form. Usually four flowers to the stem.

Earliest of All. Standard rose. Wings white. The earliest form of the well-known Blanche Ferry.

Light Pink

Countess Spencer. The type of a new race. The open-form flowers are of great size and with wavy margins. Countess Spencer is a bright, clear pink, a little deeper at the edges. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.50.

Countess Spencer Hybrids. Extra large and beautiful Sweet Peas in various shades of pink, orange, salmon and rose.

Countess of Lathom. Light, creamy pink. Hooded form.

Dainty. White, edged with light pink. Hooded form. The long stems usually bear four blossoms.

Florence Morse Spencer. Delicate blush, with pink margin. A lighter pink-edged form of Countess Spencer.

Gladys Unwin. Bright, clear pink, a little deeper at the edges. Countess Spencer form, but a little smaller, lighter color and freer flowering.

Lovely. Light pink, shading deeper toward the center of the flower. Vigorous and a free bloomer. Hooded form.

Modesty. A delicate tint of pink, a trifle deeper at the edges. Hooded form.

Mrs. Alfred Watkins. Large, open, wavy form. Standard shading from blush to pink and wings from blush to rose.

Prima Donna. The favorite soft, clear, pink self. Good size. Hooded form. Vigorous and free flowering.

Deep Pink and Rose

E. J. Castle. Bright rose crimson, with veins of deeper rose. Large open form. Wavy edges. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

Geo. Herbert. Is similar to John Ingman but deeper and brighter color. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

John Ingman. Rose carmine, with veins of deeper shade. A bold, handsome flower. Very large open form, with wavy edges. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

Mrs. Dugdale. Crimson rose. Very large shell-shaped flower. Distinct and attractive.

Phyllis Unwin. Is similar to John Ingman but a shade lighter. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

Prince of Wales. The largest and best rose crimson. Vigorous and free flowering.

Orange Pink

Bolton's Pink. Salmon pink, veined with rose. Large handsome flower. Semi-hooded form. Less orange than Miss Willmott. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

Helen Lewis. Standard crimson orange. Wings orange rose. Spencer form. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

Henry Eckford. The nearest approach to orange yellow. Flowers should be shaded on bright days. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb. 50 cents.

Miss Willmott. Standard orange pink. Wings rose, tinted with orange. The best orange pink. The large semi-hooded flowers are borne on long stems.



Primrose and Buff

Hon. Mrs. E. Kenyon. Light primrose. Very large semi-hooded form.

Marchioness of Cholmondeley. Delicate creamy buff. Wings lighter than standard.

Queen Victoria. Light primrose. Buds pinkish. Hooded form. Very hardy.

Stella Morse. Buff, tinted with pink at the edges.

Lavender and Mauve Shades

Lady Griseld Hamilton. The largest and lightest shade of lavender. Standard light mauve. Hooded form.

Lottie Eckford. White, tinted lilac and edged deep blue. Large hooded form, inclined to double.

Mrs. Geo. Higginson, Jr. The clearest delicate lavender, free from mauve tint. Semi-hooded form.

Blue and Purple Shades

Flora Norton. The brightest and clearest blue. Medium size, open form.

Mrs. Walter Wright. Rose purple. Large, hooded form.

Navy Blue. The best dark blue. Distinct and a vigorous grower.

Per packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; $\frac{1}{2}$ lb., 35 cents; lb., 60 cents; unless otherwise noted.

Not less than $\frac{1}{4}$ pound of a variety at the quarter pound rate
Shades of Red

King Edward VII. The largest and brightest red yet introduced. Crimson scarlet. Open form.

Queen Alexandra. Almost a true scarlet. Semi-hooded form. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents.

Salopian. A little deeper shade than King Edward VII. Stands the sun well. Hooded form.

Maroon

Othello. Dark maroon self. Large, hooded form.

Shazada. Standard deep maroon. Wings dark violet. Large, semi-hooded form.

Variegated

America. Crimson scarlet stripes on white ground. The brightest striped variety. Large, open form.

Aurora. Orange rose stripes on white ground. The most attractive striped variety. Large, hooded form.

Jessie Cuthbertson. Light pink, distinctly striped on primrose ground. Large, hooded form.

Mrs. Joseph Chamberlain. Rose, striped on white ground. Very large hooded form.

Mixed Sweet Peas

Vick's "Invincible Mixture," superior selected strains. The mixture introduced as "Vick's Invincible" we know will please the most exacting. For flowers of delicate colors, varying from pearly white to the richest reds and purples, the "Invincible" leads, because it is the result of selecting, year after year, seeds from the choicest flowers. The mixture cannot fail to give satisfaction. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; $\frac{1}{2}$ lb., 40 cents; pound, 75 cents.

Eckford's Gilt-Edge, Special Mixed. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; $\frac{1}{2}$ lb., 30 cents; lb., 50 cents.

Sweet Peas at Wholesale Prices. We offer a fine mixture composed of the standard sorts, at the following prices:

Ounce, 5 cents; $\frac{1}{4}$ lb., 15 cents; $\frac{1}{2}$ lb., 25 cents; lb., 40 cents.

Vick's Banner Collections

Sweet Peas in Separate Colors

The only way to become familiar with the different Sweet Peas is to grow them separately and compare the different varieties. Each variety is in a separate packet, properly marked, and with the collection we send a booklet giving cultural directions.

Twenty Varieties, 25 cents. Forty Varieties, 40 cents.

The following varieties compose the cream of the list, and as these collections were packed before the busy season we can in no instance make changes.

40 Packets, 40 cents.

20 Packets,
25 Cents.

America.	Lottie Eckford.	Countess Spencer Hybrids
Apple Blossom.	Lovely. [deley.	Dorothy Eckford.
Aurora.	Marchioness of Cholmon-	Flora Norton.
Countess Spencer Hybrids	Mrs. Dugdale.	Helen Pierce.
Countess of Lathom.	Mrs. Geo. Higginson, Jr.	Hon. Mrs. E. Kenyon.
Dainty.	Mrs. Jos. Chamberlain.	Janet Scott.
Dorothy Eckford.	Mrs. Walter Wright.	Jeannie Gordon.
Duke of Westminster.	Miss Willmott.	King Edward VII.
Earliest of All.	Modesty.	Lottie Eckford. [deley.
Florence Morse Spencer.	Mont Blanc.	Marchioness of Cholmon-
Flora Norton.	Navy Blue.	Mrs. Geo. Higginson, Jr.
Gladys Unwin.	Nymphæa.	Mrs. Walter Wright.
Golden Rose.	Othello.	Miss Willmott.
Helen Lewis.	Prima Donna.	Modesty.
Helen Pierce.	Prince of Wales.	Navy Blue.
Hon. Mrs. E. Kenyon.	Queen Victoria.	Othello.
Janet Scott.	Sadie Burpee.	Prima Donna.
Jeannie Gordon.	Salopian.	Prince of Wales.
Jessie Cuthbertson.	Shazada.	Salopian.
King Edward VII.	Stella Morse.	Sadie Burpee

PERENNIAL PEAS

Perennial Peas. Perfectly hardy. Grow five feet high. White, Red, Rose, or mixed varieties; each

A List of the New SPENCER SWEET PEAS

The seed of these varieties is absolutely fresh.

No better can be purchased anywhere at any price.



The forerunner of this new type was Countess Spencer. The Spencer Sweet Peas are distinguished by the vigorous growth of the plants and the size of the flowers, which have a diameter of two inches under favorable conditions. In addition, the long stemmed flowers have wavy or fluted petals. In some of the Spencer varieties this fluting is very pronounced. It should be borne in mind that liberal treatment is necessary to bring these magnificent flowers to perfection.

America Spencer. The strain we offer is first-class, being beautifully striped, flaked and splashed—a pure bright red on a ground of glistening white. The plant is wonderfully free flowering; the stems are long and bear uniformly four blossoms each, all very large, very wavy and extremely bright and effective. Packet 15 cents.

Black Knight Spencer. Deep maroon, same as parent with wavy standards and large wings. Packet 15 cents.

Blanche Ferry Spencer. A vast improvement in form over the old standard variety. A wonderfully bold and striking flower. Packet 15 cents.

Dainty Spencer. A white variety with a distinct pink edge. Flowers large, wavy, delicate and beautiful; borne on long stems, and come uniformly four blossoms to a stem. Packet 15 cents.

Ethel Roosevelt Spencer. A true waved variety of the largest and most perfect Spencer form. The ground color is a soft pleasing primrose, or straw color, overlaid with dainty flakes and splashes of bluish crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish ground work. Packet 25 cents.

Marie Corelli Spencer. Intense glowing, rose crimson, or a bright rose red, similar in color to Prince of Wales. This variety is especially large with very large drooping wings. Comes four blossoms to a stem and is a very vigorous grower. Packet 15 cents.

Mrs. Walter Wright Spencer. Rosy mauve, a new form of Spencer of great beauty. Large bold flowers and an abundant bearer. Packet 15 cts.

Princess Alice Spencer. A beautiful shade of light lavender slightly tinted with white. Princess Alice is fully up to the true Spencer standard. Packet 15 cents.

Princess Katherine Spencer. A grand new white variety, giant in size and most beautifully fluted. The buds and newly opened flowers are delicately tinted with pink and being a black seeded variety it is hardy. Packet 15 cents

Senator Spencer. The ground color is ivory and the stripes, flakes and splashes are of seal brown, chocolate and heliotrope. The general effect of the blossom is brown and a bunch is really very attractive. Packet 15 cts

W. T. Hutchins Spencer. Soft, delicate shades, being buff and straw, with margin and edges of light apricot pink. It bunches beautifully and contrasts nicely with the orange pink varieties. It opens early in the season and is most satisfactory all through the summer. Packet 15 cents.

Superior Mixture of Spencer Sweet Peas

This mixture is made in our own seedhouse, and contains the best of Spencer Sweet Peas. We know just what goes into the mixture and we are sure you will be pleased with the assortment at blooming time. Packet 10 cents; ounce, 25 cents; quarter pound, 50 cents; half pound, \$1.00; pound, \$1.90.

For the fourth time I send for a Banner Collection of Sweet Peas. I am so well pleased with them that I cannot do without them. Last season we cut the first blossoms on the 11th of June, and by the 26th of July we had cut 4005 blossoms, all very fine and some with three on a stem.

Rawson, Ohio.

MRS. JOHN REED.

TEN WEEKS STOCK

The Ten-Weeks or Annual Stock has nearly or quite all the requisites of a perfect flowering plant—good habit, fine foliage, and beautiful flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold-frame, but transplanting should be done when the plants are just out of the seed-leaf. Make the soil deep and rich, and set the plants a foot apart. If plants that are not too far advanced are carefully potted in the fall, they will flower finely in winter in a house that is tolerably cool and moist. For this purpose sow seeds late in the season. Although not a constant bloomer, like Phlox, the flowers endure for a long time, and the side shoots give a succession of blossoms when the plant can obtain a needed supply of moisture.

Largest-Flowering Dwarf. In colors, white, flesh-color, aurora, apple-blossom, rose, carmine, shining purple carmine, crimson, blood-red, light-blue, violet, each 10

Largest-Flowering Dwarf. From pot grown plants. Dwarf habit, with magnificent large spikes of large double flowers. All colors mixed 10

Dwarf German. from field-grown plants. Mixed colors 5

Large-Flowering Pyramidal Dwarf. Of pyramidal habit; long spikes of large flowers. Choice colors mixed 10

Large-flowering Pyramidal. Celestial blue. Excellent color 10

Snow Flake (Forcing). This variety of Dwarf Wallflower-leaved Large-flowering Stock is the earliest white, and one of the earliest of all Ten-weeks Stocks. Admirably adapted for forcing. The snow-white flowers are uncommonly large and double. Seed produces about 60 per cent. of double-flowering plants 25

Dresden Perpetual (Cut-and-Come-Again, or Princess Alice). Pure white. Plants of robust growth and branching habit. If sown early commences blooming in June and continues until frost, producing flowers in September and October, when other varieties have faded. Fine for cutting. 10

Large-flowering Wallflower-leaved. Smooth, dark, shining leaves. Dwarf. Set six inches apart. Mixed colors 10

Wallflower-leaved White. A beautiful variety, the flowers being the clearest possible white, contrasting grandly with the dark green, glossy foliage. Grown largely for cut flowers 10

Wallflower-leaved Blood-red. The deepest red of all the Stocks. A very choice variety, prized by florists for cutting 15

Early Large-Flowering Winter Stock

Giant Nice White. Very fine variety. 10

Giant Nice Yellow. Excellent. 10

Beauty of Nice. Strong spikes, with large flowers of a delicate fleshy pink 10

Queen Alexandra. New. Rosy lilac, similar to preceding. Splendid. 15

Crimson King. New. Brilliant fiery crimson. Beautiful. 10



VICK'S VERBENAS

Brompton Stock

Both plant and flowers are larger than the Annual stock, and the spikes longer and bolder. The Brompton Stock is not hardy, but plants can be removed to the house in the fall, where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden. Biennial.

Empress Elizabeth. Splendid. Immense spikes of bright carmine flowers. Superb both for pots and cutting. 15

Best mixed colors. 10

SCABIOSA—MOURNING BRIDE

The Scabiosa is an old favorite, and of late years has been greatly improved. The flowers are borne on long wiry stems, in white, yellow, pink, scarlet, crimson, and maroon. Beautiful in the garden, and excellent for bouquets. Twelve to eighteen inches high. Annual.

The Pompadour, New Double. A remarkable improvement in the Scabiosa, with florets very much increased in size, variety, and brilliancy of color, making it doubly desirable for use as a border plant and for cut flowers for decorative purposes. 10

Double Tall. Mixed colors 5

Double Dwarf. A pretty compact plant. Mixed colors 5

Double Yellow. A distinct color, obtained after years of careful selection. 10

Double White (Snowball). Pure white. 5

Royal Purple. Large-flowered double. Color rich claret. 5



SWEET ROCKET

The Sweet Rocket is a very hardy perennial, bearing clusters of single flowers, which are fragrant during the evening. Colors purple and white. The plant, with fair culture, will grow eighteen inches high. Seed will germinate readily in open ground. Sweet Purple, Sweet White, or mixed, each 5

SHASTA DAISY

A very hardy perennial, blooming better and more abundantly each season, and continuing to bloom for several months. The pure white flowers are from two and one-half to four inches in diameter, and are borne on single, long, stiff, wiry stems. The blooms when cut remain perfectly fresh and in good condition for two weeks or more. Seed, per packet, 10 cents. Plants, each 20 cents.

VICK'S VERBENAS

Unrivalled as low growing bedding plants. The following are really the only varieties of merit that are imported into this country.

Very few plants will make such a gorgeous display during the summer months as the Verbenas, or furnish more flowers for cutting. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual. They flower in July, and continue strong and healthy until destroyed by frosts.

Auricula-Flowered or White-Eyed. Mixed colors 10

Striped. Excellent flowers, with Carnation-like stripes 10

Scarlet. Brightest scarlet. Quite true 10

Pure White. Quite true from seed. 10

Cloth of Gold. The golden yellow leaves present a unique appearance. Fine Mixed. 10

Cerulea. Blue shades 10

Lutea (Primrose). Yellow 10

Purplish Violet, with large white center 10

Verbena hybrida. Extra large flowers, fine mixed colors, choice seed, saved only from the most beautiful named flowers, ounce, \$2.50 10

Mixed colors. 5

Vick's Zinnias

A bed or border of Vick's Giant-flowering Double Zinnias, in either mixed or separate colors, is surprisingly beautiful in the range of colors, as well as the size and perfection of the flowers. Seed sown in the open ground will produce strong plants, which will thrive and bloom from early summer until killed by late frosts. Set plants from twelve to eighteen inches apart. The young plants can be easily transplanted if desired.

GIANT-FLOWERING DOUBLE

Plants of vigorous growth, about three feet high, bearing profusely their perfectly-formed double flowers, from four to five inches in diameter.

- Scarlet Striped Gold 19
- Citron-Yellow 10
- Queen Victoria. A variety of vigorous growth, with very double pure white flowers about four inches in diameter 10
- All colors mixed 10



LARGE-FLOWERING TALL DOUBLE.

- Separate Colors—lilac, purple, scarlet, rose, crimson, orange, yellow, white—each. 5
- One packet of each of the above eight varieties for 30 cents. 5
- All colors mixed, ounce, 30 cents 5
- Curled and Crested. A beautiful strain of this popular plant, showing on each plant from 100 to 200 large double flowers, the petals being crested, twisted and curled into graceful and most fantastic forms. The colors comprise all the beautiful shades characteristic of the Zinnia 5

LARGE-FLOWERING DWARF DOUBLE.

- Only two feet high; compact-growing. Flowers very large, double to the center, and of perfect form.
- Eight separate colors,—crimson, scarlet, yellow, orange, purple, violet, salmon, and pure white; each color. 5
- One packet of each of the above eight varieties for 30 cents.
- Choicest colors mixed : ounce, 30 cents 5
- Double Striped. A class embracing colors of the Large-Flowering Dwarf Zinnias, with striped and blotched petals. They grow about 50 per cent. striped, remainder solid colors. Mixed colors only 10

LILLIPUT VARIETIES.

- Exceedingly pretty plants, fifteen inches high, and thickly branched. Flowers but little larger than a Daisy in size, very double, and freely produced all summer and until late in fall. Fine for pots, as well as for groups and borders
- Golden Gem. Scarlet Gem. White Gem. Orange Gem. The four for 30 cents; each 10
- Mixed Colors 10

TOM THUMB

Varies from four to twelve inches in height, and from six to fourteen inches in diameter, forming compact, free-flowering, pigmy bushes, suited for edgings, small beds, and pot plants. Mixed colors 10

Vick's Collection of Zinnias

Attention is called to the magnificent colors of the flowers of the Large-Flowering Zinnias. It is not long since the Zinnia was considered a coarse plant, with muddy color effects in the flowers, and we must confess that we are surprised at the improvements made in the past few years. On our trial ground Zinnias were grown beside Dahlias, and the solid colors equaled in brilliancy the more aristocratic flower. We are sure that any who purchase the collection in separate colors will be more than pleased with their investment.

Tall Double Zinnias, Eight separate colors

Lilac, purple, crimson, scarlet, rose, orange, yellow, white, in one collection for **30 cents**

WALLFLOWER

- These deliciously fragrant half-hardy perennials should be better known. By growing plants in the garden and transplanting to pots in the autumn; or better, by placing plants in pots when taken from the seedbed, and sinking the pots to the rim in earth, good plants will be secured for winter flowering in the house. Give a cool room and plenty of water, or they may be protected in a coldframe during winter, and planted out in May. Where winters are not very severe the Wallflowers make most desirable plants, giving plenty of early spring flowers.
- Fine mixed colors, double 10
- Flowering first season fine mixed colors, single 5

THUNBERGIA

For house culture, baskets, and vases, there are few plants superior to the Thunbergia, as they are beautiful, rapid-growing annual climbers, with pretty flowers (white, buff, or orange, with dark eyes) borne in profusion. Seeds start slowly at first, and should be sown in a hotbed. When the plants are a few inches high transplant to a light, rich, loamy soil in the garden. They may be used very effectively in beds, pegged down. Mixed colors 10

VIOLETS

- Viola cornuta. This is a beautiful old border flower which, since its introduction into the summer flower-garden, has been taken in hand by the hybridizer, and many lovely forms of it now enrich our collections. It commences to flower early in the season and continues until frost. Habit and constitution robust. flowers large and delicately fragrant.
- Viola cornuta Admiration. Magnificent flowers of a beautiful dark blue . . 10
- Viola cornuta. Dark blue, lavender, and white. Sold only in mixture . . . 10
- Viola cornuta. Tufted Pansies. All the finest colors mixed 10
- Viola lutea grandiflora (splendens). Large yellow 10

VINCA—Madagascar Periwinkle

- The Vincas are very ornamental, and bloom freely from early summer until destroyed by frost. In the fall they can be potted and kept in bloom through the winter. Seeds can be started in the window or under glass about the first of March. About June 1st they are planted out one foot apart in the beds where they are to bloom. Seed sown in coldframe from the 1st to 15th of April will also give good plants in time for setting out. Annual.
- Rosea. Rose 10
- Rosea nova species. White . . . 10
- Rosea alba. White, red eye . . . 10
- Mixed varieties 10

Vick's Seeds win 90 per cent. of the Prizes

Wish to say I have secured from your house seeds, etc., for about 18 years. The results obtained by using Vick's Seeds were of the highest quality, and oftentimes I swept everything at fairs. Once in Manitoba, Canada, I took 21 Firsts and 3 Seconds out of 27 varieties.
WM. E. MATHESON, Novi, Mich.

EVERLASTINGS

- Acroclinium.** One of the most beautiful Everlastings. Gather the first day they open to secure a bright center when dried. Bright rose and white. Single varieties, both colors mixed, ounce, 30 cents 5
Double varieties mixed 10
- Gomphrena (Globe Amaranth).** Start seed in a hotbed, if possible. Set the plants about a foot apart. Mixed varieties, ounce 20 cents 5
- Helichrysum monstrosum.** Flowers double, large and full, and of a good variety of colors. Two feet. Cut just before the flowers fully expand. Plant about a foot apart. Seeds germinate readily, even in the open ground. Mixed colors 5
- Helipterum** grows about a foot in height, branching, bearing very many clusters of flowers. Should be taken when the buds are about opening, tied in bunches, and hung up in a shady place. The flowers will open in the drying process, retaining their color and brightness for many years.
- Sanfordii.** Choice. Flowers small, rich yellow 5
- Rhodanthe.** Fine for garden. Comes into flower early and continues a long time. One of the best everlastings for bouquets. Care is necessary in starting seeds. After good plants are grown we never fail to obtain abundance of flowers. Fine single mixed 10
- Xeranthemum.** Free-blooming annual. One foot. Seeds germinate freely. Transplants well when young. Set ten inches apart. Mixed colors 5

SEEDS OF BULBS

- There are some bulbs which do not come to perfection very rapidly from seed, and therefore amateurs have seldom patience to wait for this slow process, but obtain plants or bulbs that will flower the first season. A few, however, derive pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we keep a stock of seeds of bulbous plants.
- Dahlia.** Choicest double varieties mixed 10
- Dahlia.** Finest single varieties mixed 10
- Gladiolus** 10

SEEDS OF TENDER PLANTS

MOST of the plants in this department come from warm, moist climates, so we must supply similar conditions artificially. To do this without a greenhouse, sow the seeds in boxes or large pots; make a compost of three parts rotted sod and one part fine sand; this makes a rich soil that will not bake. Sow the seed very thin on the surface, then sift a very little fine earth over them, and water gently through a fine sprayer; lay a piece of glass over the top, and put the boxes or pots where they may have ordinary warmth and light, but no direct sunlight. When the plants are up remove the glass, or they will become mouldy and decay near the surface of the ground. As soon as they have made two leaves, transplant carefully into another box or pot of similar soil, set in a shady place for a few days, and water very sparingly. When somewhat established, remove them to the light.

- Abutilon.** (Chinese Bell-Flower or Flowering Maple). A well known greenhouse shrub which will bloom freely with very common treatment. Seeds sown any time before April in a temperature of about 60 degrees, will produce strong flowering plants the first season. Finest varieties mixed 10
- Begonia Rex-Diademata.** This seed has been saved from the largest and finest collection in Europe, and contains all the latest varieties 50
- Single Tuberous-rooted.** Finest mixed 25
- Double Tuberous-rooted.** Finest mixed 50
- Calceolaria.** The Calceolarias are very beautiful and popular plants, producing masses of peculiar pocket-shaped, striped, blotched, and variegated flowers. They make gorgeous plants for greenhouse or window.
- hybrida grandiflora.** Large-flowered, self-colored, rich and beautiful; saved from finest collection 25
- hybrida tigrina.** Large-flowering, tigered and spotted. Finest mixture of most brilliant and beautifully marked flowers 25
- Carnation, Remontant or Tree Carnation.** Italian 25
- Chrysanthemum Indicum,** from a fine collection of show flowers. 25
- Cineraria.** These may be classed among the most useful flowering plants we possess, and are comparatively easy to grow from seed. Their exceedingly bright colors and compact habit constitute them most suitable conservatory decorative plants.
- hybrida,** choice mixed 25
- hybrida grandiflora.** From the largest-flowered prize varieties. Splendid mixed 50
- Cineraria maritima** (Dusty Miller). Leaves silvery gray. Fine for vases, hanging baskets, and ribbon planting. 5
- Clianthus Dampieri** (Australian Glory Pea). A magnificent climbing plant of quick growth, bearing intense scarlet, singular-shaped flowers, with a black central base. Plant in a warm, dry position. Tender perennial, four feet high 10
- Coleus.** These very free-growing plants are remarkable for the bright colors of their foliage, with all the shades of red from pale pink to deepest crimson, and green from faintest to dark olive combined with yellow. Sow seed in March. Finest seeds from choicest sorts 25
- Cuphea** (Cigar Plant). A dwarf perennial with smooth lanceolate leaves, and tubular scarlet flowers. Profuse flowering. One foot high 10
- Cyclamen Persicum giganteum.** Choice strain, large flowers, rich colors 20
- Persicum.** Choice mixed 10

ORNAMENTAL GRASSES

- Agrostis nebulosa.** The most elegant of Ornamental Grasses 5
- Arundo Donax variegata aureus.** Perennial. Strong stem, with golden-yellow striped leaves. Six feet high 5
- Briza maxima.** Perfectly hardy. One foot 5
- Briza genticulata.** Small; flowers freely. Eight inches 5
- Chrysurus cynosuroides (Lamarckia aurea).** Feathery spikes 5
- Coix lachryma (Job's Tears).** Two feet; Corn-like leaves. Ounce 20c 5
- Erianthus Ravennæ.** As fine as Pampas Grass. Superior for a northern climate. Hardy. Plants, 15 cents each; seeds 5
- Gynierum argenteum (Pampas Grass).** A noble Grass, flowers second season. Not hardy here 5
- Hordeum jubatum (Squirrel Tail Grass).** Fine 5
- Lagurus ovatus.** Dwarf. Called Hare's Tail Grass. One foot 5
- Pennisetum longistylum.** A very graceful grass, growing eighteen inches 5
- Stipa pennata (Feather Grass).** Magnificent. Flowers second season 5

SEEDS OF HARDY CLIMBERS

These plants are usually obtained by purchasing roots, and this is the better way when they can be procured. Some, however, cannot get plants, and must be content with seeds. Sow very early in spring or autumn, in drills, in well-prepared beds. Keep the soil mellow.

- Ampelopsis quinquefolia.** Virginia Creeper 5
- Ampelopsis Veitchii.** (Japanese Ivy.) Good wall plant, clinging to the smoothest surface. Absolutely the finest of the clinging climbers 5
- Bignonia (Tecoma) radicans.** Trumpet Vine 5
- Celastrus scandens.** Climbing Bitter-Sweet. 5
- Clematis Flammula.** Fragrant, white 5
- Clematis Vitalba.** White 5

WILD GARDEN. Mixed Flower Seeds, in great variety, for sowing broadcast, per ounce, 20 cents 5

- Fuchsia.** Splendid mixture of single and double 50
- Geranium.** Fine mixed 10
- Apple-scented** 25
- Gold and Bronze-Leaved.** 25
- Choicest fancy varieties,** (Lady Washington) mixed sorts. 25
- Gloxinia hybrida.** Best quality; from choice show flowers. 25
- Grevillea robusta** (Silk Oak). A beautiful decorative plant 10
- Hibiscus coccineus.** Scarlet. Three feet 10
- Impatiens Sultani.** Rosy-carmine. Constant bloomer 10
- Lantana.** Finest mixed 10
- Linaria Cymbalaria (Kenilworth Ivy).** Lavender and purple 10
- Nerium Oleander.** Common Oleander 10
- Oxalis floribunda.** Fine for baskets or for pots. White and Pink mixed 10
- Passiflora cœrulea.** The hardest Passion Flower 10
- Poinciana Gillesii** (Bird of Paradise). A beautiful plant, with large, bright golden-yellow flowers, produced in large trusses 10
- Primula Sinensis (Chinese Primrose) fimbriata rubra.** Red, extra 25
- fimbriata alba.** White; extra 25
- fimbriata striata.** White, striped with red 25
- Choicest fringed varieties mixed** 25
- Fern-leaved.** Very pretty Fern-like foliage. Red and White, separate or mixed, each 25
- Double Fringed.** A large percentage of the flowers perfectly double. Choicest mixed 50
- Double White.** 50
- Forbesii** (Baby Primrose). Fine for the house, needing little care. 20
- obconica grandiflora.** White. Profuse bloomer, bearing on long stems heads with 10 to 15 flowers, occasionally shading to lilac 15
- obconica grandiflora.** Mixed varieties 15
- Schizanthus Wisetonensis.** As a pot plant this has hardly a superior. It is literally covered with small orchid-like flowers and remains in bloom from four to six weeks 15
- Smilax.** A graceful as well as useful climber for the greenhouse or window. It is invaluable for bouquets and floral decorations. Sow seed in February in hot-bed or greenhouse, and keep in a moist place 10
- Solanum ciliatum.** Red-fruited. Very fine 10
- Stevia serrata.** Pure white; fragrant. Excellent for bouquets 10



Hardy Plants and Bulbs



For a complete list of the Best Hardy Plants for the garden, you are referred to our Catalogue "Hardy Plants, Old and New," in which are illustrated and described Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request.

ANEMONE

Whirlwind. This new double variety has the habit, and all the other good qualities of the Single White Japan Anemone, with the additional ones of greater hardness and more lasting blooms. The flowers are two and a half to three inches across, and have several rows of white sepals. The plants grow from two and a half to three feet in height. Each, 20 cents; dozen, \$2.00.

Queen Charlotte. Early-flowering, vigorous grower. Begins flowering in August, and continues until November, becoming more attractive each day. Flowers semi-double, broad, perfectly formed, and of a delightful shade of silvery pink. Each, 20 cents; dozen, \$2.00.

ACHILLEA

"The Pearl." The blossoms are of purest white, and so large that they resemble a Pompon Chrysanthemum. Hardy, and will thrive in almost any situation. Very desirable for the garden or cemetery. Blooms nearly the whole season. Each, 20 cents; three for 50 cents.

AQUILEGIA

Chrysantha. The beautiful golden-yellow Columbine. Each, 20 cents.

Cœrulea. The true Rocky Mountain Columbine. Flowers blue. Each, 20 cents.

Skinneri. Scarlet and yellow. Each, 20 cents.

ALYSSUM

Saxatile Compactum. Flowers golden yellow, very showy. Fine for rocky or edging. Each 20 cents; dozen \$2.00.

BOLTONIA ASTEROIDES

Among the showiest of our native hardy perennials. Attains a height of four to five feet, with large, aster-like flowers of a pure white color; very free-flowering. Each, 20 cents; dozen \$2.00.

CAMPANULA

Each, 20 cents; dozen, \$2.00

Persicifolia. Grows about 1½ feet high and produces a great number of blue flowers in loose clusters from June to October.

Persicifolia alba. A white form of the above.

Pyramidalis. A most attractive plant for the border, forming a perfect pyramid, covered with large, blue flowers.

Medium. Better known as Canterbury Bells. Our stock has been grown from the finest strain of seed.

SHASTA DAISY

A fine hardy perennial. The flowers are pure white, with a bright yellow center, average about four inches in diameter, and are borne on long, stiff, wiry stems. Valuable for cutting, remaining fresh for two weeks or more. Each, 20 cents. Dozen, \$2.00.

GOLD FLOWER

Hypericum Moserianum. A beautiful, somewhat shrubby plant of dwarf habit, with pretty single, rose shaped, deep yellow flowers. Blooms in profusion during the entire summer. Each, 25 cents; dozen, \$2.50.

HARDY ASTERS—Michaelmas Daisies

The hardy Asters produce an abundance of bloom in the fall, when other flowers are scarce. Each, 20 cents; dozen, \$2.00.

Lady Trevelyan. Pure white. Dwarf. **Pyramidalis.** Light blue. Dwarf.

White Queen. Pure white. Tall.

HIBISCUS

Crimson Eye. Pure white, with a velvety crimson center. Each, 20 cents; two for 35 cents.

Militaris. Delicate flesh-pink flowers, tinged with deeper color towards the center. Each, 20 cents; two for 35 cents.

HOLLYHOCK

We have excellent healthy plants, grown from seed, that will flower the first summer, and usually for three or four summers after.

Double, Assorted colors. Each, 20 cents; six for \$1.00

"Allegheny," New Fringed Perpetual-Blooming. A great improvement in Hollyhocks. The flowers come single, semi-double, and double. Each 20 cents; six for \$1.00.

IRIS PALLIDA DALMATICA

This is the noblest of all the Iris family, the stems growing from three to four feet high, with leaves two inches wide and eighteen inches long. The flowers are sky-blue in color and very fragrant. Each, 50 cents; dozen, \$5.00.

JAPAN IRIS

The flowers of the Japan Iris are of the richest colors, ranging from white to purple, with delicate markings and veinings, and quite different in form from those of the German Iris, being much flatter and larger. Named varieties all double, each, 25 cents; dozen, \$2.50.

Blue Danube. Deep indigo blue, violet shadings.

Gold Bound. Pure white.

Hyde Park. Reddish purple, striped white.

Mahogany. Dark red, shaded maroon.

Paragon. Rich velvety purple.

Spotted Beauty. White spotted with violet crimson.

GERMAN IRIS

Perfectly hardy. They bloom in May and June, when there is always a scarcity of flowers. Plant three inches deep. Each, 20 cents; six for \$1.00

Celeste. Light blue.

Gesneriana. White and lavender.

Madame Chateau. White.

Madcap. Lavender and purple.

Phidias. Bright yellow, lower petals mahogany.

Pharaon. Blue, shaded rose color.

MONARDA DIDYMA

An exceptionally fine hardy perennial for planting among bulbs or in a mixed border. The plant grows about 2½ feet high, branching freely, and bears multitudes of bright red, showy flowers which are surpassed in intensity of color only by the Cardinal flower. For a mass of color it is very striking. Each, 15 cents; two for 25 cents.

BLEEDING HEART. *Dicentra spectabilis.* Bears heart-shaped, deep pink flowers, a dozen or more being borne in a graceful drooping raceme a foot in length. Each, 30 cents.



MONARDA DIDYMA

CHINESE PEONIES

The Chinese Peonies are desirable on account of their large size, fine colors and profuse blooming. They are perfectly hardy, and will succeed on any ground unless so wet that the water will lie on the surface in the winter and spring. May be planted either in the autumn or spring. Extra fine roots, each, 30 cents; per dozen, \$3.00; except as noted.

Active. Rose, late bloomer.

Antoine Poiteau. Blush changing to white.

Comte de Cussie. Blush. Center salmon and pink. Changing to white.

Faust. Blush tinged cream. Center marked with crimson.

Formosa. Dark pink, full flower.

Fragrans. One of the best pink varieties.

Isabella. White, center straw color.

Limbata. Rose; large and fine.

Madame Calot. Pure white, very fine.

Madame Morren. Outer petals blush, center salmon.

Magnifica. Delicate pink, changing to white.

Miss Vaughan. White, single.

M. Koster. Fine shade of pink.

Nivale. Rose; very fine.

Officinalis rubra. The old-fashioned crimson Peony. Rich deep crimson, very early; one of the brightest of the dark-colored varieties.

Papilionacea. White, marked crimson.

Plenissima rosea superba. Deep rose, tinged salmon.

Pulcherrima. Rose. Queen of Perfection. Pure white.

Reevesii. Delicate rose.

Reine des Francois. Delicate pink, center white.

Roi Guillaume. Light rose.

Stiva Mariana. Pink, center straw color.

Sulphurea Alba. White, center sulphur.

FRINGED LEAF PEONY

Tenuifolia flore-pleno. Foliage graceful and slender, making a fine contrast when arranged with the double dark crimson flowers, that nearly rival the rose in delicate perfume, perfection of bloom, and brilliancy of color. Blooms earlier than other varieties. Each, 50 cents; two for 90 cents.

HARDY PINKS

These pinks are perfectly hardy, and will remain in the open ground all winter without protection.

Each, 20 cents; two for 30 cents; dozen, \$1.50.

Comet. A fine shade of red, flowers double, clove scented.

Her Majesty. Flowers very large, fringed, very double, and pure white. Fragrance delicious, clove-scented. Long stiff stems support the flowers.

Souvenir de Sale. Flowers a delicate soft rosy pink, being fully as large as a Carnation; beautifully formed, very double, and exceedingly useful for cutting. One of the best Pinks.

White Reserve. A nicely fringed white. Always in bloom.

PERENNIAL PHLOX

With Perennial Phlox a show of brilliant flowers can be had from June until November, as they are perpetual bloomers. Perfectly hardy.

Strong field-grown plants, each, 20 cents; dozen, \$2.00.

Coquelicot. Bright scarlet.

Eclairer. Flowers of immense size, carmine, salmon center, rosy white star.

Embracement. Coppery red, purple eye.

M. Bezanson. Fiery crimson, velvety purple eye.

Pantheon. Salmon rose.

Purity. Pure white.

Richard Wallace. Pure white with distinct violet eye.

Rosetta. Deep rosy crimson violet.

Sir Edwin Landseer. Brilliant crimson.

The Pearl. The finest pure white variety.

RUDBECKIA

GOLDEN GLOW. (*Rudbeckia laciniata flore-pleno*). A beautiful hardy perennial, eight feet high, blooming from July to September. Flowers double, deep golden yellow, borne on long stems, making it suitable for cutting. One of the most effective decorative plants for garden or lawn. Each, 20 cents; two for 30 cents; dozen, \$1.50.

Newman. Single, golden yellow, with black center; grows about eighteen inches high. Each 20 cents, dozen, \$2.00.

Purpurea. Flowers reddish purple. Two to three feet high. Each, 20 cents, dozen, \$2.00.

SALVIA

Each, 20 cents, dozen, \$2.00.

Azurea Grandiflora. A Rocky Mountain species, growing two to three feet high, producing during August and September pretty sky-blue flowers in the greatest profusion.

Pratensis. Showy spikes, two to three feet high, of deep blue flowers from June to September.

SPIREA PALMATA ELEGANS

A beautiful hardy, free-flowering plant, with sweet-scented white flowers and red anthers. Fine for cutting purposes. Each, 20 cents, dozen, \$2.00.

CORNFLOWER ASTER, *Stokesia Cyanea*

One of the most valuable of the native hardy plants, growing from 18 to 20 inches high, and of the easiest culture, succeeding in any open sunny situation. The flowers are borne profusely from July until frost, are of a handsome lavender-blue color, and measure from four to five inches in diameter. The *Stokesia* is not only desirable as a single plant, but makes a fine effect in beds or masses. Each, 20 cents.

TRITOMA—Flame Flower

Pfitzerii. A grand improvement on the old *Tritoma Uvaria grandiflora*, or Red Hot Poker. The flower spikes, which are produced with considerably more freedom than in the old variety, are of gigantic size, frequently four and a half feet high, with heads of bloom over twelve inches long, of a rich orange-scarlet, shading to salmon-rose on the edge. Each, 25 cents; dozen, \$2.50.

McOweni. A charming variety, very early to come into bloom, stems long, truss rather loose; color orange scarlet and yellow. Each, 20 cents; dozen \$2.00.

PHYSOSTEGIA

Each, 20 cents; dozen, \$2.00.

One of the most beautiful of our summer flowering perennials, bearing long spikes of tubular shaped flowers.

Virginica. A delicate pink. Four feet.

Virginica Alba. Pure white. Two feet.

CLEMATIS DAVIDIANA. A vigorous, hardy plant, two to four feet high, flowers bell-shaped, deep lavender or violet in color, very fragrant, and produced in clusters in great profusion. Strong plants, each, 20 cents; dozen, \$2.00.

COREOPSIS LANCEOLATA. The flowers are a rich golden yellow, of graceful form and invaluable for cutting. In bloom from June until October. Each, 20 cents; dozen, \$2.00.

EULALIA. Handsome, tall, ornamental grasses for the open lawn, or to be grown in clumps in the borders of shrubbery.

Japonica zebrina. Stripe or marking is across the leaf instead of lengthwise. **Japonica variegata.** This variety, except that the variegation of the leaf is lengthwise, is very similar in style and growth to *E. Japonica zebrina*.

Gracillima univittata. The most beautiful of all the *Eulalias*. Foliage narrow, dark green, with a silvery white midrib.

Each, 20 cents; one plant each of above three for 50 cents.

FOXGLOVE. *Digitalis*. A highly ornamental perennial plant of stately growth. Excellent for planting in shrubberies with other hardy plants. The racemes of flowers are often two feet in length. Each, 20 cents.

CAILLARDIA GRANDIFLORA. Among the most attractive and effective of our hardy perennial plants. Will thrive in almost any position or in any soil. One mass of bloom from June till autumn. Flowers from $\frac{2}{3}$ to $\frac{3}{4}$ inches in diameter, borne on long stems, and of gorgeous coloring. Excellent for cutting. Each, 20 cents.

GYPHOPHILA PANICULATA. *Gypsophilas* are valuable for bouquet making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. Flowers white. Each, 20 cents.

LARKSPUR. *Delphinium*. Valuable plants for the herbaceous garden, that will give perfect satisfaction to any one who grows them. Their long spikes of flowers are produced from June until frost.

Formosum. The finest blue known among our hardy plants. Each, 20 cents.

Bee Larkspur. Remarkable and interesting, the petals being folded up in the center of each flower so as to resemble a bee. Flowers lighter than *Delphinium formosum*. Each, 20 cents.

Sinensis. Foliage delicately cut. Large panicles of handsome flowers varying in color from white to blue. Each, 20 cents; dozen, \$2.00.

LYCHNIS CHALCEDONICA. Produces large heads of brilliant scarlet flowers. A gem for cut flowers. Each, 20 cents; dozen, \$2.00.

LOBELIA CARDINALIS. Cardinal Flower. Flowers rich fiery cardinal color. Each, 20 cents; dozen \$2.00.

LYTHRUM ROSEUM SUPERBUM. A strong growing shrubby plant, three to four feet tall, producing large spikes of rose-colored flowers during August and September. Each, 20 cents, dozen, \$2.00.

LYSIMACHIA CLETHROIDES. A fine hardy plant growing about two feet high, with long, dense, recurved spikes of pure white flowers, from July to September. Each, 15 cents, dozen, \$1.50.

PENTSTEMON BARBATUS TORREYI. Most useful hardy perennial, blooming from June until autumn, with panicles of brilliant scarlet flowers. Very fine. Each, 20 cents; dozen, \$2.00.

PLATYCODON GRANDIFLORUM. The Chinese Bell Flower. In bloom the entire season. The flower resembles the *Clematis* in size and color. Two varieties, blue and white. Each 15 cents.

PRIMULA VERIS SUPERBA. Pale yellow. The plant is six to eight inches in height, is perfectly hardy, and flowers earlier and continues in bloom longer than any other *Primula*. Each, 20 cents; dozen, \$2.00.

PAPAVER ORIENTALE. The well-known Oriental Poppy. Flowers scarlet. Each, 20 cents.

SWEET WILLIAM. *Dianthus Barbatus*. Assorted colors. Each 20 cents, dozen, \$2.00.

VERONICA SPICATA. An elegant border plant. Long spikes of deep blue flowers. Each 20 cents; dozen, \$2.00.

YUCCA FILAMENTOSA. Erect plant with sharp pointed leaves. Perfectly hardy. Flowers creamy white; bell-shaped. Each, 25 cents; dozen, \$2.50.

SELECTED LILIES FOR THE GARDEN

Suggestions for Planting

Plant Lily Bulbs eight or nine inches deep. Many fail in this particular, setting the bulbs so near the surface that the frosts of winter almost throw them out of the soil. The Lily throws out roots from the stalk above the bulb, and these serve the double purpose of supplying nutriment to the plant and of bracing and sustaining in position the heavy weight of the blossoms.

The soil for Lilies should be made rich with old, well-decayed manure, thoroughly incorporated with the soil; but fresh dressing must never be used, nor must any come in contact with the bulbs. They should be set on and surrounded by a layer of pure sand. When the ground freezes in the fall, apply a covering of stable litter or leaves, which may be forked in, in the spring, thus supplying enrichment to the soil, as well as preventing the ground from baking hard during the summer.

For \$1.00 at single rates
purchasers may select to
the amount of \$1.25.



LILIUM AURATUM, THE GOLDEN BANDED LILY

Auratum The Golden-Banded Lily of Japan

Japan has been a favorite variety for outside purposes for many years and no garden, however small, should be without it. Its ease of culture and magnificent flowers of a delicate ivory color thickly dotted with chocolate-crimson spots and a gold band running through the center of each petal, make it one of the most desirable varieties of garden lilies. Blooms about July 20th. While it is hardy, for best results some protection should be given the bulbs in the fall. Extra strong bulbs, imported directly from Japan for our customers, 25 cents each; \$2.50 a dozen.

Auratum Platyphyllum. A close ally of *L. Auratum*. The flowers are from ten to twelve inches across and with much broader petals, studded with crimson-chocolate spots. The crimson is not quite as prominent as in *L. Auratum*. The leaves are broad and lustrous. Each 30 cents; dozen, \$3.00.

Canadense. Our native Lily, flowers drooping, delicate scarlet, yellow throat, spotted black. Blooms July 10th. Each 20 cents; dozen \$2.00.

Elegans Batemani. A beautiful Japanese variety; flowers upright, of clear apricot yellow; strong and hardy; should have a place in every garden. Blooms about July 15th. Each, 25 cents; dozen, \$2.50.

Elegans, Best Light Red. Light red. Blooms about July 1st. Each, 25 cents; dozen, \$2.50.

Elegans incomparabile. Blood-red. Blooms July 1st. Each, 20 cents; dozen, \$2.00.

Elegans Wallacei. Flowers rich vermilion-orange, spotted maroon. Blooms in the autumn. Fine. Each, 20 cents; dozen, \$2.00.

Hansoni. This is a rare early-flowering species, of a beautiful yellow color, petals very thick, dotted with purple. One of the handsomest varieties. Blooms second week in June. Each, 30 cents; dozen, \$3.00.

Humboldtii. Orange, spotted claret. Extra fine. Each, 30 cents; dozen, \$3.00.

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Japonicum longiflorum. White, trumpet-shaped. Blooms about 20th of July. First size, each, 20 cents; dozen, \$2.00.

Leichtlinii. Canary-yellow, spotted red. Each, 30 cents; dozen, \$3.00.

Leichtlinii Maximowiczii. Salmon-scarlet, with large purple dots. Blooms from August till frost. Each, 30 cents; dozen, \$3.00.

Pardalinum. The best of the Canadense class. Yellow and red spotted. Blooms about July 10th. Each, 25 cents; dozen, \$2.50.

Parryi. Pure lemon-yellow, long trumpet-shaped flower; very fine. Each, 30 cents; dozen, \$3.00.

Speciosum rubrum. White and rose, dark crimson spots. Blooms August 15th. Each, 20 cents; dozen, \$2.00.

Speciosum Melpomene. Crimson, spotted with deep blood-red, each petal distinctly bordered with white. Same habit of growth as rubrum. Stems dark and color of flower much deeper. Each, 25 cents; dozen, \$2.50.

Speciosum Magnificum. Recently discovered on one of the numerous Japanese Islands; is a new and much improved type of *L. Speciosum Melpomene*, but very much richer in color. The flower stems are more vigorous and erect and the leaves larger. Each, 30 cents; dozen, \$3.00.

Speciosum album. White. Blooms August 15th. Each, 25 cents; dozen, \$2.50.

Superbum. Yellow and orange-red; drooping. Three to six feet high, bearing from five to twenty flowers. Blooms July 15th. Each, 20 cents; dozen, \$2.00.

Tenuifolium. One of the most beautiful and delicate of the early-flowering varieties. Flowers dazzling vermilion-scarlet, suspended from slender graceful stems—they are so bright as to attract attention from a great distance. Blooms about June 1st. Each, 20 cents; dozen, \$2.00.

Tigrinum Splendens. Improved Tiger Lily. Blooms about August 1st. Each, 15 cents; dozen, \$1.50.

Tigrinum fl. pl. Double Tiger Lily. Blooms about August 15th. Each, 20 cents; dozen, \$2.00.

DAY LILIES

The Day Lilies are superb autumn flowers, desirable for planting on the side of a lawn or at the edge of shrubbery.

Funkia alba (White Day Lily). Broad, light green leaves. Flowers large, pure white; fragrant. Each, 20 cents; dozen, \$2.00.

Funkia Japonica. Light blue, with narrow foliage. Each, 20 cts.; dozen, \$2.00.

Funkia undulata media picta. Lavender. Foliage light green, beautifully variegated with white. Each, 25 cents; dozen, \$2.00.

Yellow Day Lily (Hemerocallis flava). A fine hardy plant, producing an abundance of large, golden yellow flowers. Sometimes called Lemon Lily. Each, 20 cents.

The above four sorts for 70 cents.

Golden Day Lily. (Hemerocallis aurantiaca major.) One of the finest perfectly hardy herbaceous plants. The plant is vigorous in habit; the foliage rises to a height of two feet, and is of a deep green. The flower spikes are strong, bearing as many as twelve flowers in succession, which are seven to eight inches across, of a rich orange-yellow, quite distinct. Each, 30 cents; two for 50 cents.

Magic Flower

Lycoris Squamigera

A Japanese Floral Aristocrat

When we say the *Lycoris* belongs to the stately *Amaryllis* family we place it in the class of floral aristocrats. It comes to us from Japan, and is not only peculiar and odd in its habit of growth, but is positively distinct from any other Lily in its beautiful large pink flowers. In early spring it sends up its attractive strap-leaf foliage, which grows until late in July, when it ripens off and disappears, and one unfamiliar with the plant would naturally think it had died. About a month later, the flower stalks spring like magic out of the bare ground, and rising to the height of two to four feet, develop an umbel of large Lily-shaped flowers from six to fifteen in number, of a delicate lilac-pink shaded with clear blue. The first flower to open retains its beautiful coloring and shape until long after the last bud on the stem is open. It is perfectly hardy and succeeds in ordinary garden soil. The bulbs are large and acclimated to this country, having been grown for several years in the vicinity of Rochester. The engraving presented herewith shows them in full bloom. It is the best introduction in the Lily class in many years.

Each, 35 cents; per dozen, \$4.00.

This *Lycoris* was imported from Japan a number of years ago, and grown here by Mr. E. Huftelen of Le Roy, N. Y., who for years has been prominent in Horticulture, making the improvement and hybridization of Lilies a specialty.

Vick's Tree Catalog

tells you more about the best Fruit Trees than any other booklet of its size. We don't believe in a list "a mile long", so we have selected what we consider are the best varieties of Apples, Pears, Peaches, Plums, Cherries—the ones specially adapted to the home grounds. The man who intends planting an orchard will find a lot of information in it too. Ask for the Catalog today—a postal card, with your name and address will bring it to you.

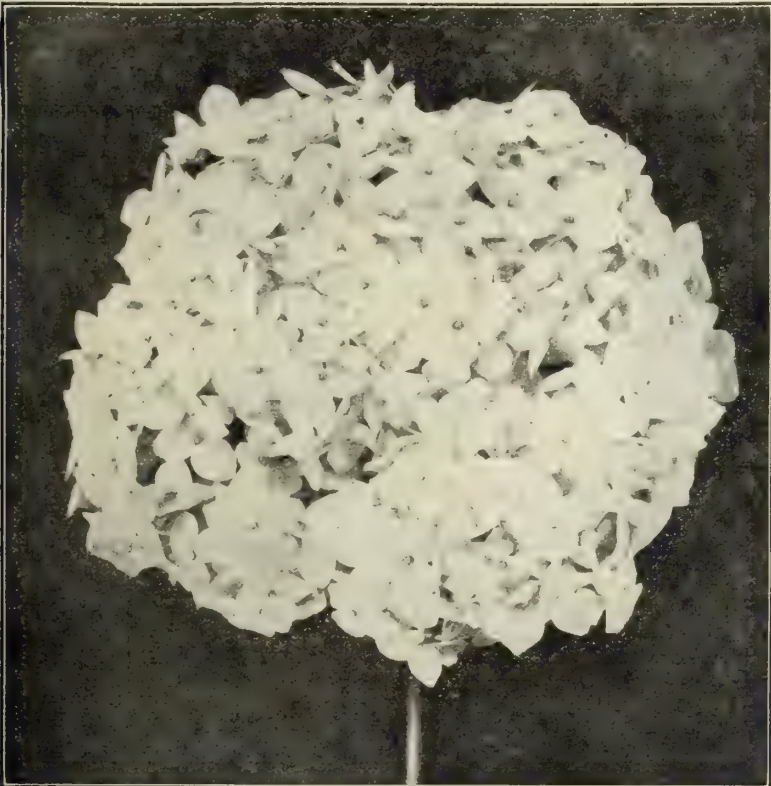
LILY OF THE VALLEY

Hardy perennial. Sweet, delicate, and graceful. When planted out of doors set the pips six inches apart and two inches deep in a partially shaded place. For house culture plant in pots, about one inch apart, in moss or sand, and water freely; then set the pots out of doors where they may freeze a day or two; after which bring them in doors, and after thawing, water freely and set in a sunny place in the window. Pips can be ordered in December for house culture, or in spring or fall for garden culture. Pips, half dozen, 25 cents; dozen, 40 cents; fifty, \$1.40; hundred, \$2.50.





Hardy Shrubs



HYDRANGEA ARBORESCENS

SNOWBALL

Japanese Snowball (*Viburnum plicatum*). The bush is of lower and more compact growth than the old Snowball, and better furnished with foliage. The flowers are somewhat larger than those of the common form, of a purer white, and remain longer in good condition. Each, 30 cents; dozen, \$3.00.

Viburnum Opulus sterilis. The well-known Snowball. Produces large clusters of snow-white flowers in May. Each, 20 cents; dozen, \$2.00.

TAMARIX

Hardy shrub, with very graceful and handsome feathery foliage. The plant flowers so freely that in the early summer it is one mass of pink bloom, completely hiding the foliage. Invaluable for planting by the seaside, where few plants will grow. Each, 25 cents; dozen, \$2.50.

WEIGELA

Handsome summer-flowering shrubs, with an abundance of trumpet-shaped flowers, borne in clusters. Each, 25 cents; three for 60 cents; dozen, \$2.25.

Eva Rathke. Large purplish red flowers.

Nana Variegata. Leaves variegated, green, yellow and pink. Flowers delicate rose and pink. A charming shrub.

Rosea. Rose colored flowers, borne in the greatest profusion.

ALTHEA. Rose of Sharon. Beautiful erect-growing shrubs, of the easiest culture, bearing large, showy flowers early in the fall. Very desirable because of flowering when few other shrubs are in bloom. Double Red, Double White, and Double Pink, each, 25 cents; dozen, \$2.50.

HARDY AZALEAS. As the shrubs are too large to send by mail, we send them by express, charges prepaid. Each, \$1.25; dozen, \$12.00.

Azalea Pontica (Ghent Azalea). Entirely hardy. Our collection contains the finest varieties grown, and cannot be surpassed for the varied richness of their colors.

Azalea mollis. One of our most gorgeous flowering shrubs. The very large and beautiful flowers of various colors are borne in clusters before the leaves appear in May.

HYDRANGEA

Arborescens. (Grandiflora Alba.)

This magnificent hardy American Hydrangea is the most beautiful hardy flowering shrub introduced in many years. It attains a height of five to six feet, and about the same breadth. It is of far more graceful habit than Hydrangea paniculata grandiflora. The form of the panicle is much like that of Hydrangea Hortensis. Trusses large and beautifully formed; the blooms are of the very largest size, pure snow-white; the foliage is finely finished. Strong, one-year plants, each, 25 cents; three for 60 cents; dozen, \$2.25.

Paniculata Grandiflora. One of the finest hardy shrubs in cultivation. The flower trusses are immense heads from nine to twelve inches in length, and nearly as broad. Color purest white, afterward changing to deep pink as the season advances. It blooms in July, at a time when few other shrub are in flower, and remains beautiful until destroyed by frost. Hardy as a lilac bush. The plants we offer will all bloom the first season. Prices according to size. First size, each, 50 cents; two for 80 cents; dozen, \$4.50. Second size, each, 25 cents; three for 60 cents; dozen, \$2.25.

SPIRAEA

The Spiraeas are in the front rank among flowering shrubs for the lawn or garden. Beginning to bloom in May, they produce flowers abundantly through the summer. Each 25 cents; any two for 40 cents; dozen, \$2.25.

Arguta. Flowers clear white and freely produced. The best very early-flowering white Spiraea.

Anthony Waterer. A valuable hardy shrub, especially desirable for bedding and borders. Grows from twelve to fifteen inches high, in a compact, bushy form. It is a perpetual bloomer, bearing large clusters of bright crimson flowers all through the season.

Billardi. Flowers rose-colored, in terminal spike-like panicles, produced nearly all summer.

Billardi alba. Similar to Billardi; flowers white.

Bumalda. Half dwarf. Flowers deep rose.

Douglasi. Four to five feet high. Flowers rose-colored.

Van Houttei. A vigorous plant that sends up numerous tall, slender shoots which curve gracefully, and the last of May or in June are literally covered with pure white flowers, making the bush a mass of bloom.

CARYOPTERIS

Mastacanthus (Blue Spirea.) A handsome half-hardy perennial plant of vigorous growth, producing flowers in the greatest profusion the whole length of its branches. Color rich lavender. Each, 20 cents; dozen, \$2.00.

BERBERIS THUNBERGII. A handsome low-growing form of Barberry of Japanese origin. Foliage abundant, leaves small, obovate; flowers reddish; berries bright crimson. In autumn the leaves turn a bright red and make a great display. A beautiful plant for the lawn or the front of the shrubbery, or for a low-growing ornamental hedge. Each, 25 cents; dozen, \$2.50.

CALIFORNIA PRIVET. A strong, vigorous, hardy plant. The best plant known for hedges. May be trimmed to any form, is nearly evergreen, thornless. A fast grower, and without the objectionable features of other hedge plants. Fine habit and foliage. Three-year plants, two and a half to three feet high, \$6.00 per 100, \$55 per 1000, express not prepaid. Two-year plants, fifteen inches high, \$4.00 per 100, \$35 per 1000, express not prepaid.

FORSYTHIASUSPENS (Fortunei). Golden Bells. One of the earliest spring-flowering shrubs, producing large, bright yellow flowers. Each, 25 cents.

LILAC. Purple. The old purple variety. Each 25 cents, dozen \$2.50.

PURPLE FRINGE. Smoke Tree. A spreading shrub, completely covered in summer with large, feathery, purplish panicles, having the appearance of clouds of smoke. Each, 20 cents; dozen, \$2.00.

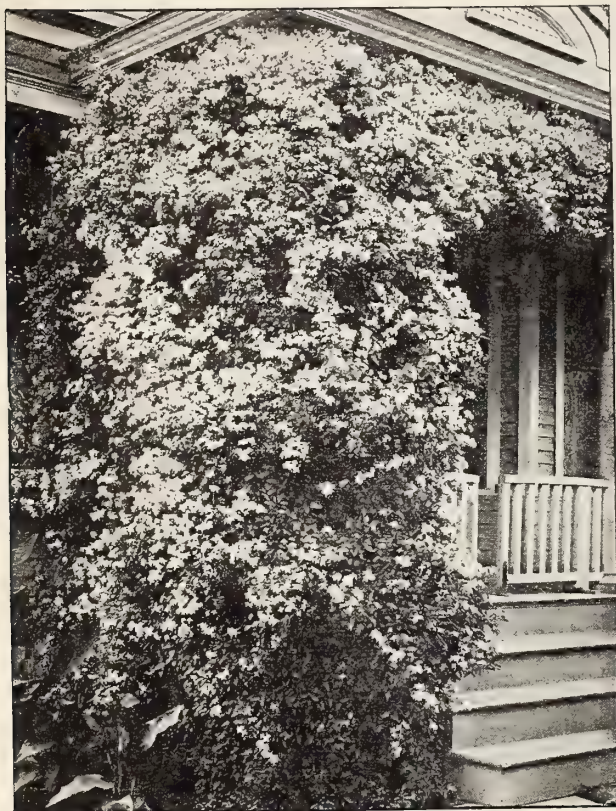
SYRINGA GRANDIFLORA. Flowers pure white, fragrant. A very popular shrub. Each, 25 cents; dozen, \$2.50.

The aster seed I received from you five days ago is coming up "thicker than spatter"—that means vitality, I suppose.

LILIAN A. COLE.



Hardy Climbers



CLEMATIS PANICULATA

AMPELOPSIS

Veitchii (Japanese or Boston Ivy.) This hardy variety clings firmly to the side of a house or wall, and will soon form a perfect mass of foliage. The leaves overlap with wonderful regularity. In autumn this beautiful climber assumes its greatest beauty, changing until it is a glowing mass of the brightest shades of crimson, scarlet, and orange. Hardy. Strong vines, 25 cents; two for 40 cents; dozen, \$2.00.

Quinquefolia, or Virginia Creeper. Sometimes called American Ivy and Woodbine. A rapid grower. Foliage crimson in autumn. Each, 20 cents; dozen \$2.00.

CLEMATIS

The Clematis is the favorite climber of the world. It makes a rapid growth, producing its showy flowers in great profusion. In the fall give the plants a good top-dressing of well-rotted manure. The following spring spade it in carefully, mixing well with the soil, and it will prove very beneficial. Hardy.

Henryi. Fine large cream-white flowers. The best white variety. A strong grower, and very hardy; a perpetual bloomer. Each, 50 cents.

Jackmanni. Flowers large, intense violet-purple; produced in great profusion; blossoms from four to six inches in diameter. The most beautiful hardy climber in cultivation. Each, 40 cents.

Madame Edouard Andre. A valuable new variety; distinct new color; fine bright crimson, with no purplish shade about it. Large flowers, borne so profusely that it is called Crimson Jackmanni. Each, 40 cents.

Paniculata. A remarkably beautiful climbing plant. Flowers pure white, star-shaped, about one inch in diameter, borne very freely in large clusters; will last several days as cut flowers, retaining their freshness and fragrance. The plant is a strong, quick grower. One of the most desirable and useful of climbing plants. Each, 25 cents; two for 40 cents; dozen, \$2.00.

The Set of four Clematis for \$1.30.

HONEYSUCKLE

The different varieties of Honeysuckle are esteemed among the most desirable hardy climbers. They grow with great freedom in any good garden soil. Hall's Japan Honeysuckle is remarkable for the persistency of its leaves, the foliage usually remaining green and apparently perfect long after severe freezing weather. On this account it is very desirable to train over a porch.

Heckrotti. New Sweet Scented Everblooming Honeysuckle. A magnificent variety, the finest yet produced. Remarkable for the large size and delicious fragrance of its flowers; color bright carmine red, with yellow and buff markings at the ends of the tubes. A healthy and vigorous grower and blooms continually the whole season. Each 30 cents; dozen \$3.00.

Hall's. An evergreen variety from Japan. Flowers pure white, changing to yellow. Very fragrant. Each, 25 cents; two for 40 cents; dozen, \$2.00.

DUTCHMAN'S PIPE

Aristolochia Siph. The Aristolochia is a floral curiosity. It is a rapid-growing hardy climber, attaining a height of thirty or more feet. It has large leaves, ten inches across, with curious pipe-shaped, yellowish-brown flowers an inch and a half long. Strong plants, each, 50 cents; dozen, \$5.00.

WISTARIA MAGNIFICA

The Wistaria is a strong, rapid grower, desirable for trellises, porches, etc. When well established it blooms profusely. The light purple flowers are very showy, and are produced in long racemes. A large plant in bloom is a beautiful sight. Perfectly hardy. Strong roots, 30 cents, dozen \$3.00.

AKEBIA QUINATA. A Japanese, hardy, climbing plant, with purplish flowers, purplish mottled berries and handsome compound leaves composed of five leaflets. An interesting plant. Each 25 cents.

CHINESE MATRIMONY VINE. A vigorous and hardy climber. Flowers bright purple, succeeded by scarlet berries nearly one inch long. Excellent for trellises. Each, 25 cents; two for 40 cents, dozen, \$2.25.

CINNAMON VINE. A very rapid climber of incomparable beauty, with flowers of exquisite perfume. The growth is very rapid and the vines cover a large space in a short time. It is grown from a tuber, is perfectly hardy and will live out of doors without protection. The vine dies to the ground each fall, and starts growth early in the spring. Each, 15 cents; two for 25 cents; dozen, \$1.25.

IVY. English. The old popular variety. Hardy. Each, 20 cents; two for 30 cents; two-year old plants, each 40 cents; two for 60 cents.

PERENNIAL PEA. Flowers pink, in clusters. Hardy. Each, 15 cents; two for 25 cents; dozen, \$1.40.

TRUMPET VINE. *Tecoma radicans.* A fine, hardy, climbing plant, producing clusters of large, trumpet-shaped, orange-scarlet flowers about three inches long. The foliage is also very beautiful. This plant on the lawn makes a pretty bush if the tops are cut back. Each, 20 cents.



HALL'S JAPAN HONEYSUCKLE

HARDY PLANTS—Old and New
A List of all the favorite Perennials, Roses and Shrubs. Mailed to you free, if you ask for it when you send your seed order.



ROSES



THE flowers of the Hybrid Perpetual class are generally large, double, and very fragrant. Being perfectly hardy, these Roses may be planted out in the open ground and left all winter without any protection, and will for years continue to yield an immense crop of flowers in June, and many of them will bloom freely throughout the season. If you wish to have flowers constantly in bloom, you must seed them well to bring them to perfection; they must have a very rich soil if you wish them to do their best. Do not let them suffer for want of water during the growing season; this is a matter of great importance.

All strong two-year field grown; each 40 cents; per dozen, \$4.50. Except where noted.]

American Beauty. One of the largest and most beautiful of the hardy Roses. Flowers very large and double, and delightfully fragrant. Rich rosy crimson color. Plant a strong grower and continuous bloomer. It will make a much stronger growth if not allowed to bloom the first summer. Pinch off the larger portion of the buds—better all of them. This will not be necessary the second season, as the plant will then be strong enough to make both growth and bloom. We offer two sizes of plants. Young plants, from 2½-inch pots, each 20 cts.; two for 35 cts. Extra strong plants, each, 50 cts; two for 80 cts.

Anne de Diesbach (Glory of Paris). Brilliant carmine; long pointed buds; large, finely-formed, compact flowers; very sweet; free bloomer. Valuable for forcing, and a superior garden sort.

Baron de Bonstetten. Splendid shade of dark red, changing to velvety maroon.

Caroline Marniesse. There is not a week from late in May till the middle or latter part of October that large quantities of blossoms cannot be picked from these plants. Growth low and somewhat spreading, making it especially valuable for the borders of beds, also very effective for massing in any position. The flowers are pure (or slightly creamy) white, medium size, very double, and sweetly tea-scented.

Clio. Flowers large, of fine globular form; flesh-color, shaded in center with rosy pink. Vigorous grower and handsome foliage. One of the finest Roses.

Frau Karl Druschki. A new hardy Rose and a grand variety. The flowers are large and full; buds long; color a pure white. The plant is a very vigorous grower and produces flowers throughout the season. Sometimes called the White American Beauty.

Fisher Holmes. Deep glowing crimson, large and moderately full, of fine imbricated form.

Francis Levet. Cherry-red; flowers of large size, well formed; very free bloomer and of vigorous growth. An excellent Rose.

Gen. Jacqueminot. Rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired, and in great demand.

Hugh Dickson. Intense crimson, shaded scarlet; very large, full and magnificent form; free bloomer.

Jean Liabaud. Crimson maroon, illumined with scarlet, large, full, fragrant. A very beautiful dark rose.

John Keynes. Dark velvety-crimson. Plant very sturdy and compact. A free and prolific bloomer.

Madame Plantier (Hyb. China). Summer bloomer; pure white.

Marchioness of Londonderry. A white, free-flowering Hybrid Perpetual. Flowers of great size, measuring five inches across, perfectly formed and carried on long stems; color very white; petals of great substance, shell-shaped and reflexed. Highly perfumed. Growth vigorous and foliage very handsome. One of the finest.

Margaret Dickson. Distinctively a garden Rose, and the best white Hybrid Perpetual, combining the sterling qualities of entire hardiness, vigorous growth, and repeated blooming, with the fragrance, beauty of form, and waxy texture of the finest Tea Roses. The flower is of magnificent form and very large. In color it is the most beautiful waxy-white, shining with almost the luster of a pearl.

Marshal P. Wilder. Cherry carmine, flowers large, semi-globular, full, well formed, very fragrant. Continues to bloom long after other Hybrid Perpetuals are out of flower.

Magna Charta. A general favorite, prized on account of its strong, upright growth and bright healthy foliage, as well as for its magnificent bloom. The color is a beautiful bright pink, suffused with carmine.

Merveille de Lyon. Ivory white, flushed with carmine. Large, full flower of lovely fragrance.

Mrs. John Laing. Delicate pink; large, fine form; very fragrant. Flowers continuously in the open ground.

Mrs. R. G. Sharman Crawford. Deep rosy pink, outer petals shaded pale flesh; white at base of petals, flowers large, of fine form, and freely produced, flowering from early summer until late in autumn.

Paul Neyron. Probably the largest Rose in cultivation, and one of the best bloomers. Color a bright shining pink, clear and beautiful. The plant is an exceptionally strong grower, often making shoots four to five feet in one season, each shoot bearing an immense flower. A rose we highly recommend.

Prince Camille de Rohan. Rich, dark, velvety crimson, shading to maroon; very double and sweet.

Ulrich Brunner. Brilliant cherry-red; fine form and finish. Plant vigorous and hardy. One of the best.

The Wonderful Set of Bedding Roses

Perfectly hardy and always in bloom. The cream of the bedding varieties.

Strong two year field grown plants, that will produce a full crop of flowers the first year. Each 40 cents; dozen \$4.50; The set of seven varieties \$2.75.

Etoile de France. Velvety crimson, on stiff erect stems, cupped form. The best and sweetest hardy Hybrid Tea Rose of its color.

Gross an Teplitz. Color a rich scarlet, shading to velvety crimson; very fragrant; a free, strong grower, and the most profuse bloomer known to us, blooming continually, and covered with flowers the whole season. The mass of color produced is truly phenomenal and the foliage extremely beautiful, all the younger growth being of a bronzy plum-color.

Kaiserin Augusta Victoria. Pearly white, softly tinted with lemon in center; fragrant. A strong healthy grower, with bold, beautiful foliage. Particularly hardy, and one of the most beautiful Roses in cultivation.

Killarney. A grand new Hybrid Tea Rose, perfectly hardy and a perpetual bloomer. The color is a bright sparkling pink; flowers very large, and the buds long and pointed.

La France. Delicate silvery rose, changing to silvery pink, very large, full, of fine globular form. A most constant bloomer. One of the sweetest and most useful of all Roses.

Pink Maman Cochet. The Queen of all Pink Garden Roses. The buds are large, full and firm. The color is a rich pink, changing to silvery rose. The flowers are perfectly double, extra large and of splendid substance.

White Maman Cochet. Identical with its parent, Pink Maman Cochet, except in color, which is snowy white, with sometimes a faint tinge of pale blush. It has the same freedom of bloom, form of buds and flowers as Pink Maman Cochet.

Hardy Yellow Rose, Soleil d'Or

Soleil d'Or is a cross between Persian Yellow and Antoine Ducher. It retains a good deal of the character of Persian Yellow, the bark and wood being reddish, the thorns very fine, the foliage more ample, and the leaves, of a beautiful clear green, closer together. This magnificent variety is perfectly hardy, robust, and vigorous, making a growth of about three feet in height. The buds are conical-shaped, of a lovely hue, the flower when expanded being well incurved and about three and a half inches in diameter. Superb in color, varying from gold and orange-yellow to reddish gold, shaded with nasturtium-red.

Strong plants, each 50 cents; dozen, \$5.00.



FRAU KARL DRUSCHKI

New Tea Rose, Mrs. Wm. H. Taft

This is one of the most profuse blooming, brightest colored, sweetest scented Tea Roses ever grown. The color is a rich pink. A good bedding variety. 25 cents each; dozen, \$2.50.

"My Maryland"

A new Hybrid Tea Rose. The flowers are large, full and double and very perfectly formed. The color is a most distinct and beautiful rose pink. Free branching and free growing. 25 cents each, dozen, \$2.50.

Bessie Brown

A strong vigorous-growing Hybrid Tea Rose, flowering in the greatest profusion the entire summer. The color is a creamy white, faintly flushed with pink. 20 cents each; dozen, \$2.00.

Persian Yellow

The flowers are nearly double and borne in immense clusters. The color is a deep golden yellow. The plants are a perfect mass of flowers in June.

Strong, two-year plants, each, 40 cents; dozen, \$4.00.

MOSS ROSES

The peculiarities of the Moss Roses are the delicate prickles which crowd their stems, and the beautiful mossy covering of their opening buds. They are strong, vigorous growers, and are perfectly hardy.

Extra strong two-year, field-grown plants, each, 40 cts; dozen, \$4.00.

Comtesse de Murinais. Flowers white, sometimes tinged with flesh-color; large, double, cupped; buds heavily mossed. One of the best Moss Roses.

Henri Martin. A magnificent Moss Rose. Extra large, and perfectly double. Color a deep rosy carmine, shaded a bright crimson.

Madame de la Rochlambert. Bright pink.

Princess Adelaide. Pale rose. Good in the bud and flower. Foliage dark.

White Bath. The extra large, full, very double flowers, of the purest snowy white, come in large clusters, and are delightfully perfumed.

Monthly Everblooming Roses

Dozens of flowers can be cut from a bed of Monthly Roses every day, from June to November. To be successful with Monthly Everblooming Roses, you must have rich soil for them to grow in. Old, well-rotted manure is the best fertilizer; a bright, sunny location, and in hot, dry weather, a good thorough soaking with water each day, and you will have plenty of delightfully fragrant flowers.

Fine strong plants, 15 cents each; \$1.50 per dozen.

Small capitals are as follows to indicate classes: T, Tea; H, T. Hybrid Tea; C, China; B, Bourbon; N, Noisette.

Baron Berge. Delicate rose, with a soft lemon color at base of petals.

Bon Silene. Rich crimson shade, beautifully tinged with salmon. T.

Clothilde Soupert. Flowers of medium size, double, and beautifully formed, oval at first, but flattening as they expand; the color is pearly white at the outer edge, shading to a center of rosy pink, sometimes varying to nearly pure white. Very fragrant. Constant bloomer. T.

Crimson Hermosa (Queen's Scarlet). Flowers large; of a fiery scarlet. C.

Francisca Kruger. Flowers large, coppery yellow, shaded with peach. T.

Gen. de Tartas. Carmine, shaded purple. T.

Gruss an Teplitz. Color a rich, scarlet, shading to velvety crimson; very fragrant; a free, strong grower, and the most profuse bloomer known to us, blooming continually, and covered with flowers the whole season. The mass of color produced is truly phenomenal, and the foliage extremely beautiful, all the younger growth being of a bronzy plum-color. H, T.

La Princess Vera. Rich ivory-white, shaded with coppery yellow. T.

Marion Dingee. Color deep crimson, changing to carmine. H, T.

Marechal Neil. Yellow, tea-scented. T.

Marie Guillot. White, tinted with pale yellow; large, full, and of fine shape. T.

Madame Joseph Schwartz. Blush, edged with carmine. T.

Marie Van Houtte. Creamy white, outlined with bright rose. T.

Meteor. The deepest glowing crimson; flower of medium size. H, T.

Papa Gontier. Brilliant carmine, changing to pale rose. T.

Perle des Jardins. Rich shade of yellow; very perfect in form. T.

Pink Hermosa. One of the best known of all Roses. Perfectly hardy. B.

Pink Maman Cochet. Rich pink, changing to a silvery rose. T.

Princess de Sagan. The richest crimson Rose in our collection. T.

Suzanne Blanchet. Light pink. T.

Sylph. Delicate pink; flowers large with a high center and deep stiff petals. T.

White Maman Cochet. This grand new Tea Rose is a sport from Maman Cochet. Flower extremely large, round and full; a pure white. T.

White Hermosa (Marie Lambert). Resembles Pink Hermosa in form. T.



1—MAGNA CHARTA 2—PAUL NEYRON
3—PRINCE CAMILLE DE ROHAN



Monthly Rose Princess Vera



Monthly Rose White Hermosa or Marie Lambert



Monthly Rose Sylph

CLIMBING ROSES

The hardy Climbing Roses grow with great rapidity, and will cover an old building or wall in a very short time. They bloom after the Hybrid Perpetuals, and produce their flowers abundantly in large clusters.

Two-year plants, 40 cents each, or two for 75 cents; dozen \$4.00.

Baltimore Belle. Pale blush, nearly white.

Queen of the Prairie. Rosy red, fine.

Everblooming Climbers

Each, 15 cents; the set for 70 cents.

America. Fawn-colored flowers; buds beautiful; very strong grower.

Empress of China. The best of the large-flowering varieties. Flowers bright pink. After the plants have become established, they bloom continuously throughout the summer. Hardy. One of the best.

James Sprunt. Flowers deep cherry-red, medium-sized and very double and sweet. A strong grower and profuse bloomer.

Mary Washington. Flowers pure white, of medium size, perfectly double, and borne on long stems. Fragrance tinged with a musky odor. Rapid and vigorous grower. Hardy. Perpetual bloomer.

Climbing White Pet. Very rapid climber, making a wonderful growth, often ten to fifteen feet the first year. Blooms profusely. Flowers pure white, of medium size, very double, ever-blooming, fragrant. Hardy. Bound to become a great favorite.

Climbing Souper. The flowers are similar to the well-known Clothilde Souper, are borne in clusters, and are of very large size. Color beautiful creamy-white, deepening in the center to a clear bright pink, and some, times both red and white Roses are borne on the same bush.

Dorothy Perkins

A hybrid of Rosa Wichuraiana and Mme. Gabriel Luizet. In its foliage-growth, and habit of blooming, it is similar to Crimson Rambler, but the flowers are more double and of a beautiful shell-pink color, and hold a long time without fading. The flowers are very sweetly scented, a characteristic not possessed by most other Ramblers.

Two-year plants, each, 40 cents; dozen, \$4.00.

Helene, a Climbing Rose of Rare Beauty

A seedling from Crimson Rambler. It is of very robust growth, throwing up canes ten to fifteen feet high in a single season. The color is a pure soft violet-rose, almost bluish; base of petals yellowish. The buds are carmine, finely ciliated or mossed, and are borne in clusters of from twenty-five to fifty. Perfectly hardy.

Two-year plants, each, 40 cents; dozen, \$4.00.

Climbing Rose Tausendschon

This beautiful variety surpasses all other climbing roses, in growth, foliage and beauty of flower. The flowers are borne in large clusters from June to August. Each flower measures about one and a half inches in diameter, and is of a beautiful soft rose-color, changing to rosy-carmine. The plant is of strong, vigorous growth, perfectly hardy, and a good variety to plant where a strong climber is desired. This rose is nearly thornless. The shining, dark green foliage is never attacked by disease or insects. A first class rose for covering fences, walls, verandah, etc.

Two-year plants, each, 40 cents; dozen, \$4.00.

The Rambler Roses

The Ramblers have grown in favor so rapidly and are so well known that it is not necessary to devote space to a long description of these wonderfully beautiful and useful hardy climbers. They are suitable for training on walls, verandas, trellises, arbors, and pillars, and as specimen pot plants for winter forcing. The flowers are well formed and, though small, are produced in so great profusion as to present an immense mass of bloom. Many of our customers report that single plants when in bloom showed thousands of flowers.

Crimson. White. Yellow. Pink.

Two-year plants, each, 40 cents; dozen, \$4.00; set of four for \$1.50.

Philadelphia Rambler

This Rose is a cross between the popular Crimson Rambler and the fiery crimson Hybrid Perpetual Victor Hugo, and is identical with the Crimson Rambler except that the color is a brighter crimson, and never fades. It is a valuable acquisition to the list of climbing Roses.

Two-year plants, each 40 cents; dozen, \$4.00.

Violet Blue or Blue Rambler

A blue Rose at last. Violet Blue belongs to the Rambler or hardy climbing type of roses, and bears large clusters of semi-double flowers of medium size. A strong grower with glossy green foliage, and very few thorns. A novelty well worthy of trial. **Strong young plants, 35 cents each, dozen, \$3.50.**

Lady Gay, a Pink Rambler Rose

A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry pink, fading to soft white. The foliage is very profuse and of a glossy deep green shade. The effect of a plant in full bloom, with the combination of the soft white flowers, the cherry, pink buds, and the deep green foliage, is most charming. Flowers are numerous and of good size; they are also delicately perfumed. The plant is a vigorous grower and perfectly hardy. This is a rose of the highest merit, and far superior to the Crimson Rambler. **Two-year plants, each, 40 cents; dozen, \$4.00.**

Baby or Dwarf Crimson Rambler

Madame Norbert Levavasseur

A dwarf Rose that blooms from early June to December

This beautiful Rose produces clusters of flowers as large as the old Crimson Rambler. The color is a charming brilliant red, and it blooms with great profusion. As a pot Rose it has no equal, as it is a continuous bloomer.

Strong young pot plants, 15 cents each; dozen, \$1.50.

Two-year-old field-grown plants, 35 cents each; dozen, \$3.50.

Amy Muller, or Pink Baby Rambler

This dwarf variety is a fitting companion to the well-known crimson Baby Rambler. The plants branch freely and attain a height of about eighteen inches. The showy brilliant rose-colored flowers are produced in the greatest profusion from June until fall. Each individual flower measures about two inches in diameter. The petals are sometimes twisted which gives the flower a very unique appearance. **Strong one-year plants, each, 20 cents; dozen \$2.00.**

White Baby Rambler

This Rose is a little beauty, with pure white double flowers. A constant bloomer and as grand a bedder as the Crimson Baby Rambler.

20 cents each; dozen, \$2.00.

Baby Dorothy

A dwarf form of the Dorothy Perkins, which it resembles in foliage and color of flower. The flowers are produced in large clusters of clear pink.

20 cents each; dozen, \$2.00.



Tender Plants and Bulbs



ABUTILON—Flowering Maple

Hard-wooded greenhouse shrubs, blooming almost the entire year; well adapted for house culture. Flowers bell-shaped and drooping. Each 15 cents; dozen, \$1.50.

Eclipse. A trailing variety, leaves beautifully marked deep green and yellow; the flowers are bright yellow, with crimson throat.

Golden Fleece. Yellow.

La Africain. Deep crimson, dwarf.

Savitzii. The leaves are green with a heavy white border, more than one-half of the leaf being pure white. The contrast between the green and white is most striking.

Snow Storm. Pure white.

Souvenir de Bonn. A strong, healthy grower, with large foliage of a deep green color, each leaf being handsomely bordered with a broad, white margin. The flowers are quite large, a beautiful shade of orange with showy crimson veins. A handsome plant that everybody admires.

ACUBA JAPONICA or Gold Dust Tree

Very useful for decorative purposes and as a pot plant for the house, as it stands the atmosphere of a dwelling house better than most plants. Leaves are dark green, spotted with golden yellow. Each, 20 cents; three for 50 cents.

AGERATUM

Each, 15 cents; dozen, \$1.50

Little Blue Star. Of dwarf bushy growth. Very free blooming. Color intense blue.

Princess Pauline. A distinct and novel variety of dwarf growth, rarely exceeding five inches in height. The body of the flower is white and the stamens a light sky blue, giving the blooms a pleasing variegated appearance.

Stella Guernsey. This is a decided improvement in color, being the deepest blue yet introduced; exceptionally free-flowering, not only in summer, but the year round.

ANTHERICUM

Anthericum vittatum variegatum. An elegant house plant, with dark, green leaves, bordered with broad stripes of pure white. It throws up long spikes of small, star-shaped flowers. Fine for hanging baskets. Each 20 cents; dozen \$2.00.

Picturatum. Similar to the above variety except that the colors of the leaves are reversed, the center of the leaf being white, and bordered with green. Each 20 cents; dozen, \$2.00.

ASPARAGUS

Sprengeri. One of the most rapid-growing plants that we know of, making great masses of fine feathery foliage in a very short time. The stems grow several feet in length, and are valuable for use in cut-flower work. Fine for hanging baskets or large pots. As a house plant it has no superior, as it withstands the indoor temperature well. Each, 20 cents; two for 30 cents.

Plumosus nanus, or Lace Fern. Beautiful on account of its light feathery growth, which very much resembles lace. The graceful dark green foliage surpasses the Maiden Hair Fern in delicacy of texture. Splendid as a pot plant and for decorative purposes. Each, 20 cents; two for 30 cents.

CAREX JAPONICA VARIEGATA

A Japanese grass, very useful and ornamental for the house. Seems to enjoy the atmosphere of living rooms. Each, 15 cents; two for 25 cents.

FLOWERING BEGONIAS

This class of beautiful plants is deservedly popular. The beauty of foliage, combined with graceful flowers and free-blooming qualities, makes the plants highly desirable. As pot plants for winter decoration they have few equals. Each, 15 cents; dozen, \$1.50.

Alba picta. Leaves narrow, green, and nicely spotted with white; flowers white, in clusters.

Argentata Guttata. Leaf bronze with silver markings. Flowers white.

McBethii. Flowers pure white; foliage finely cut.

Metallica. The surface of the leaf has a metallic or bronze color. Flowers white.

Marguerite. Leaves bronzy-green, somewhat resembling Metallica; large trusses of light rose-colored flowers.

Zebrina. Foliage dark green with whitish veins, flowers light pink.

BEGONIA SEMPERFLORENS (Wax Begonias)

This class may truly be called perpetual flowering Begonias as they bloom continuously. They are always in bloom, and are very fine either for house plants or bedding. Three colors, pink, white and scarlet. Each, 15 cents; three for 35 cents; dozen, \$1.25.

THE REX BEGONIAS

The Rex varieties of Begonia are very effective as pot plants. Care should be taken to keep the foliage free from dust. Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry. Each, 20 cents; any three 50 cents; dozen, \$2.00.

Countess Louise Erdody. The wonderful Cork-screw Begonia.

Grandis. Bronze.

President Carnot. Silvery white.

Surprise. Leaf deep bronze and silvery rose.

Van der Hyde. Mottled green and white.

CARNATIONS

The delicately rich and grateful odor, in connection with the beautiful colors and perfect outline of the Carnation, secures for it a prominent place in all collections of plants, either for the house or garden. It is one of the sweetest of flowers, and yields an abundance of bloom all summer. The plants may be potted in September, watered and shaded a few days, and they will bloom all winter, in a bright sunny window. Our list embraces a large assortment of colors, and the best of the standard varieties.

Each, 15 cents; three for 35 cents; seven for 75 cents.

The set of thirteen for \$1.25.

Beacon. Beautiful shade of scarlet. Flowers very large. Stems long.

Boston Market. Pure white. A marvel for early and continuous blooming.

Enchantress. Delicate shade of shell-pink, deepening towards the center; very large flower.

Harlowarden. Large flower of bright crimson, with scarlet shadings.

Lady Bountiful. Pure glistening white.

Mrs. Thomas W. Lawson. Immense size—from three to four inches in diameter—long, strong stems. Bright cerise-pink, lighting up beautifully under artificial light.

Mrs. M. A. Patten. Pure white, beautifully marked with cerise pink.

Red Jacket. A strong, robust grower; color brilliant scarlet.

Rose Pink Enchantress. Color rose pink; large flower.

The Queen. Pure white; flowers very large.

Variegated Lawson. White striped with cerise pink.

White Enchantress. Pure white. Winsor. Silvery pink.

COLEUS

Each, 15 cents; any three for 35 cents;

one each of set of eight for 75 cents.

Crimson Velvet. Leaves rich-crimson.

Duneira. Soft seal-brown, bordered pink. An exceptionally showy variety.

Firebrand. Maroon, flamed and shaded with brilliant fiery red.

Golden Bedder. Excellent bedder, bright yellow.

John Good. Yellow and green, fine bedder.

Queen of the West. A center wedge of creamy white bordered green; the whole margined yellow, and blotched carmine and maroon.

Sensation. Velvety black maroon, with lance-shaped center of pure magenta. Very brilliant.

Verschaffelti. Rich, velvety crimson. The best of all for bedding.

CALCEOLARIA

Creole Queen. Flowers brown maroon. Very fine for pot plant and bedding. Easy to grow. Each, 15 cents; three for 30 cents.

DRACAENA

Dracaena indivisa. This is the variety used so extensively as center plant for vases, baskets, etc. Its foliage is very gracefully arranged and contrasts nicely with other foliage and flowering plants. Each, 15 cents; dozen, \$1.50.

FEVERFEW

Little Gem. Very dwarf; attains a height of from 8 to 10 inches; flowers of fine form, and pure white. Each, 15 cents; dozen, \$1.50.

HELIOTROPE

Prized for its fragrance. It is a favorite with everyone. Heliotropes require a sunny location, as they do not do well when grown in the shade. Very desirable for house culture, a single plant filling a whole room with perfume.

Lady Cook. Dark violet. Madame de Blonay. Pure white.

Each, 15 cents; three for 35 cents; dozen, \$1.25.

SILK OAK

Grevillea robusta. A beautiful plant for decorative purposes; of quick growth and very easy culture. The leaves are a light bronze color, the tips being covered with a soft down resembling raw silk, from which it derives the name of "Silk Oak." For the house it is unsurpassed. Each, 20 cts.; two for 30 cts.



CHRYSANTHEMUM COMOLETA

CHRYSANTHEMUMS

In warm seasons the Chrysanthemum flowers well in October and November in the open ground. But a good way is to cultivate the plants in the garden, with plenty of room, in good, rich soil, until the first of September, when they may be safely transferred to pots. Give a thorough watering and set in a shady place for a few days, after which they may be exposed to the full light.

Each, 15 cents; dozen, \$1.25; eighteen for \$1.75.

Alice Bryon. A magnificent snow-white variety.
 Cheltoni. Golden yellow.
 Comoleta. Bright yellow. Fine for pot culture.
 Cullingfordii. Rich crimson scarlet.
 Dakoma. A grand bronze of large size and beautiful form.
 Dr. Enguehard. Bright rose pink.
 Golden Glow. The earliest of all. Fine golden yellow with velvety finish.
 Ialene. Creamy white, large flower.
 Ivory. Dwarf. Free flowering, snow white, incurved, very large, perfect form.
 Major Bonnaillon. Soft yellow, incurved type; flowers large and full.
 Marie Liger. Pearl pink deepening to rosy lavender at the base of the petals.
 Maud Dean. Extra large flowers, petals broad, incurved; color light rose.
 Miss May Seddon. Pure white, flat spreading flower.
 Mrs. George Hunt. Light yellow.
 Mrs. Norman Davis. Pure white, of large size.
 Mrs. William Duckham. Beautiful golden yellow.
 Mrs. Jerome Jones. Waxy white; good stem and perfect foliage.
 Mrs. W. B. Chamberlain. The color is a lovely shade of pink, very distinct.
 Naceur-Bey. Yellow, with distinct stripes of red in each petal.
 Nagoya. Very large Japanese; color, golden yellow.
 Nellie Pocket. Creamy white.
 Old Gold. Golden bronze.
 Pacific Supreme. A beautiful shade of pink. Very early.
 Pink Ivory. Beautiful shell-pink. A sport from White Ivory.
 Pink Jones. The color is beautiful; each petal is white overlaid with purplish crimson, giving the whole flower the appearance of being pink in color.
 President Taft. New. Purest white, closely incurved, forming a huge glistening ball.
 Red Duckham. Very large flower. Color purplish crimson.
 Virginia Poehlman. A magnificent flower, pure white.
 Wm. H. Chadwick. Immense and striking bloom of waxy-white.
 White Coombes. Pure white of largest size

Hardy Pompon Chrysanthemums

These are the very best of all Chrysanthemums for planting out of doors, and also very desirable for growing as pot plants, being dwarf, compact growers, and free bloomers. They are perfectly hardy, blooming before severe frosts will hurt the flowers.

Double Chrysanthemums

Each, 15 cents; dozen, \$1.25; eighteen for \$1.75.

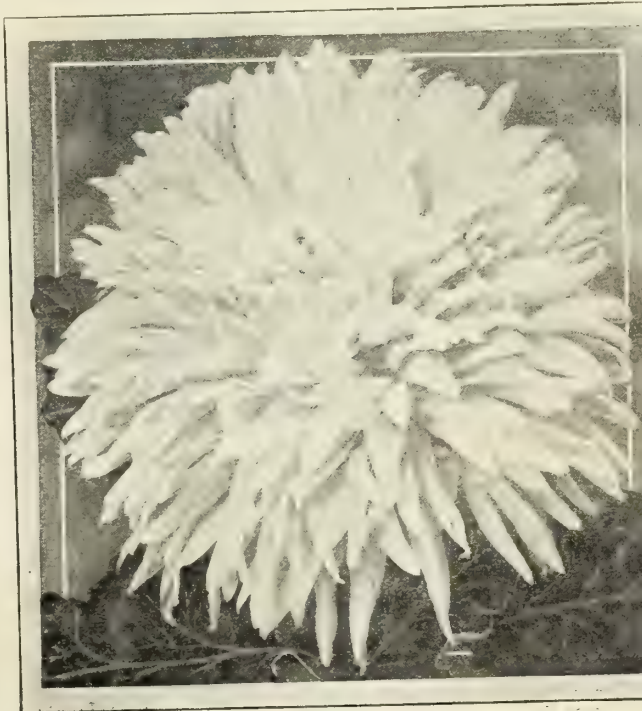
Alma. Beautiful pink.	Fred J. Canary yellow.
Anna Mary. Creamy white, tipped pink.	Gold Standard. Golden yellow.
Astarte. Bright golden amber.	Iris. Mahogany red, tipped gold.
Baby Margaret. Pure white; a beauty.	Iva. Pure amber.
Bohemia. Pure yellow.	Itza. Bronze.
Crimson Ball. A beautiful deep crimson.	Iyrisford Gem. Purple tipped gold.
Drin Drin. Smallest; pure yellow.	James Boon. Pure white.
Druid Hill. A light mahogany-crimson.	Julia Lagravere. Crimson-maroon.
Edna. White, with pink shadings and yellow center; good size and nice form.	Klondike. Bright yellow.
Elva. Pure white, early.	Lula. Pure snowy white.
Emo. Small flower of bright yellow.	Orea. Light pink.
	Panama. Bronze.
	Skibo. Golden chamois.
	St. Illoria. Silvery pink.
	Walter Bly. White, tinted rose.
	Zenobia. Bright clear yellow.

Single Chrysanthemums

The single Chrysanthemums are very fine for cutting in sprays, also for pot plants.

Each, 15 cents; dozen, \$1.25.

Grace Darling. White edged with pink.	Northumberland. Red
Katie Covell. Maroon.	Piccola. Light pink.
Ladysmith. Pink, early.	Rosy Morn. Silvery pink.
M. J. Osborne. White, shaded pink.	Winnie Sherring. Golden yellow.



CHRYSANTHEMUM PACIFIC SUPREME

CANNAS

For a brilliant show all summer there is no plant excelling the Canna; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. For window boxes, or grown as specimens for the porch, they are unsurpassed.

The Best of the Standard Varieties

Each, 15 cents; dozen \$1.50.

Alphonse Bouvier. Brilliant crimson, but change to a beautiful deep crimson as they more fully expand.

Alsace. Pale sulphur changing to creamy white. A valuable variety.

Beaute Poitevine. Bright crimson, with erect flower-spikes.

Brandywine. Brilliant red; foliage bronze.

Buttercup. Pure yellow, dwarf.

Charles Henderson. Brilliant crimson flowers.

Cinnabar. Cinnabar red, distinctly marked with golden yellow.

David Harum. Bright deep satiny vermilion. Foliage bronze.

Egandale. Soft currant-red flowers. Foliage bronze.

Evolution. The flowers are golden yellow, which shades in through various tints of canary, lemon, and sulphur to a center of bluish pink.

Fairfield. Rich dark crimson flowers; foliage green.

Florence Vaughan. Flowers of the most brilliant golden-yellow, dotted with brightest scarlet.

Jean Tissot. Brilliant vermilion, with bright orange markings. Foliage green.

J. D. Cabos. Height four feet. Color of flower light orange.

Luray. Deep rosy pink.

Maiden Blush. Blush pink, dwarf.

Mlle. Berat. The nearest approach to a pink in a first-class bedder.

Madame Crozy. Flowers crimson-scarlet and gold-bordered.

Pennsylvania. The flowers are pure deep scarlet, of immense size.

President Meyer. The flowers are a rich cherry-carmine; foliage bronze.

President Faivre. Flowers amaranth-red; foliage bronze. A strong, erect grower, especially adapted to massing and as center of beds. Six feet high.

Queen Charlotte. The center of the petal is a brilliant crimson-scarlet, shaded with crimson and bordered with a wide belt of gold. Three feet high.

Rosemawr. Beautiful rosy pink.

Robusta. A very fine, tall-growing, dark-leaved variety; eight to ten feet.

Rubin. Ruby carmine. Foliage bronze.

Secreteire Chabanne. A distinct and pleasing shade of salmon.

Semaphore. Novel color. The flowers are of a pure orange.

Souvenir d'Antoine Crozy. Crimson scarlet, broad yellow border.

Orchid-Flowered Cannas

Each, 15 cents; set of five for 60 cents.

Alemannia. These gigantic flowers are the largest grown on Cannas. They are a fine yellow, beautifully mottled with orange-scarlet.

Burbank. Flowers very large, equal to Italia; rich canary-yellow, spreading seven inches; will continue to bloom a week after cutting. A strong grower, with wide, rich green leaves; four feet high.

Italia. Immense flower. Center brilliant red, petals widely bordered with clear yellow.

King Humbert. Orange scarlet, flaked with carmine.

Parthenope. Flowers are extra large and of good substance. Color dark orange, shaded with yellow; showy and distinct; four feet.

Canna Beds

Many of our customers write us in regard to the number of Cannas that it requires to fill a bed of certain dimensions. In answer to this question we offer the following suggestions: *Plant Cannas about 18 inches apart each way; the tall varieties for the center of bed, and the dwarf growers for the border.*

For a round bed 7 feet in diameter it will take 19 plants.

For a 7-foot bed we will send postpaid 19 plants in three different varieties, for \$2.25.

FUCHSIA

No class of plants is more graceful and elegant than the Fuchsias. The striking contrast of their colors,—white, carmine, rose, and purple,—renders them perfectly charming. Each 15 cents; dozen, \$1.50.

Avalanche. Corolla violet; sepals crimson.

Bouquet. Flowers of beautiful form; sepals a clear coral color; corolla blue.

Jeanne Summary. Tube and sepals bright crimson scarlet, corolla white.

Jupiter. Tube and sepals scarlet; corolla rich royal purple. Extra large size.

Little Beauty. Tube and sepals bright red; corolla rich purple.

Mary. The drooping flowers, over two inches long, are a brilliant crimson-scarlet, and stand out prominently against the dark green foliage.

Rosains Patrie. Tube and sepals carmine. Corolla white.

Storm King. Dwarf grower. Tube and sepals red. Corolla white.

Victor Hugo. Flowers large, very double; sepals bright crimson; the center or corolla violet-purple, marbled with red. A unique and beautiful flower.

Ferns for Decoration

Ferns cannot be dispensed with in elaborate decorations for the parlor. In planting a fernery do not crowd them, but give them room for the development of the fronds; their growth is rapid, and many varieties soon double their original size. Five of the best and hardest varieties are sufficient to fill a fern dish eight inches in diameter. Each, 15 cents; the set of six for 75 cents.

Ferns for Table Ornaments

Adiantum cuneatum. The popular Maiden-Hair Fern.

Aspidium Tsussumense. A pretty species with dark green foliage.

Cyrtomium Falcatum. Large green glossy leaves.

Pteris Cretica albo-lineata. A pretty and useful variegated variety; leaves green and white.

Pteris Mayii. Leaves crested; color green and silvery white.

Pteris Wimsettii. Fine for fern pans and house culture; finely crested.

The New Dwarf Boston Fern, Nephrolepis Scotti

A very dwarf and compact form of the Boston Fern. The fronds are short and narrow, of a graceful recurving form. Plants of small size make nice specimens in a short time. For house culture we recommend it as a plant that will please all, and one of the best that we offer this season. Strong young plants each, 20 cents; dozen, \$2.00.

Nephrolepis Scholzei—The New Plumed Scotti Fern

In this fern, a sport from Scotti, we have all the desirable features of the parent, with plummy fronds similar to the Ostrich Plume Fern. Its leaves are held erect with a graceful arch, forming a plummy globe, which is as pretty in a small plant as it is in a specimen plant of the largest size. Nice young plants, each 25 cents; five for \$1.00.

Nephrolepis Whitmani. The plummy appearance of the foliage makes this variety unquestionably the most striking among all the Nephrolepis. The plant is quite dwarf in growth, and the leaves very wide; a grand fern. Each 20 cents; per dozen, \$2.00.

Boston Drooping Fern. One of the most satisfactory of decorative plants for house culture. The handsome green fronds attain a length of four to five feet, and droop so gracefully over on every side that it is often called the Fountain Plant. It always has a fresh, healthy appearance, and is very attractive. Fine plants, each, 20 cents; dozen, \$2.00.

Special offer. We will send one fine plant each of the above four ferns for 75 cents.

HYDRANGEA

Hardy south of Philadelphia, but grown at the North as pot plants. Their immense heads of bloom make them very conspicuous. A little shade and plenty of water seem to meet all their needs. Put in the cellar in the fall. For decorative plants on a piazza or porch they produce a fine effect.

Each 15 cents; the set of three for 35 cents.

Jeanne d'Arc. This is a sport from the old favorite Thomas Hogg, having dark reddish brown stems like Red-Branched. Foliage and flowers much larger and more vigorous than either. Flowers pure white, very effective against the dark green foliage.

Red-Branched (Ramulis-coccinea). The smallest plants bear immense trusses of bloom. The branches are of a dark red color, brightening to a clear crimson near the flower heads, which are a beautiful shade of deep rose.

Otaksa. A Japanese variety, with large clusters of pale pink flowers.

LANTANAS

Are in bloom constantly, and are very fine for bedding, baskets, or box plants.

Each, 15 cents; two for 25 cents; dozen, \$1.25.

Amiel. Bright shade of orange-red, with golden center.

A. Cleveau. Silvery rose, with yellow center.

Jacques Minot. Yellow, changing to orange red.

Marcella. Lilac rose, changing to yellow.

New Weeping. Rose pink, habit drooping.

Snow Queen. Large white flowers.

Snowball. White, yellow center.

OTAHEITE ORANGE

The great beauty, novelty, and popularity of this plant are indeed wonderful. It blooms most freely during winter, though it is likely to bloom at any and all times of year. With one or two pots of it anyone can raise an abundance of delicate and fragrant orange blossoms. It is a dwarf orange, which grows, blooms, and fruits freely in pots. Fruit about one-half the size of ordinary oranges. Strong plants, each, 20 cents; extra strong plants, each, 35 cents.

Large-Fruited Lemon, Ponderosa

A true ever-bearing variety. On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. The tree was blooming, and at the same time had fruit in all stages of development, from the size of a pea up to the ripe fruit. Fruit weighing over four pounds had been taken from this tree. The lemons have very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It fruits when quite small, and makes a lovely house plant. Thrifty young plants, each, 25 cents; two for 40 cents.

GERANIUMS

Plants, each, 15 cents; three for 40 cents; six for 80 cents; twelve for \$1.50.

SINGLE.

Gen. Galliene. Intense crimson.
General Grant. Scarlet. This old sort still retains popularity as a bedder.
Jules Lematrick. Light pink.
Jumbo. Very fine scarlet.
Marguerite de Layre. A fine, strong, free grower; pure white flowers.
Mrs. E. G. Hill. Bright salmon with light shading at center.
Queen of the Whites Improved. Pure white.

DOUBLE.

Alphonse Ricard. Bright orange-red. Trusses very large.
Beaute Poitevine. The color is a bright salmon-pink.
Centaur. Bright pink, dwarf.
Countess de Harcourt. Pure snow-white.
Heteranthe. Bright scarlet.
Jean Vaud. Flowers semi-double, brilliant rose, beautiful white spots.
John Doyle. Vermilion scarlet; Grand bedder.
La Pilot. Very dark scarlet.

Alphonse Ricard. Center of flower delicate pink, bordered with pure white.
Madame la Comtesse de Baume. A charming bright pink; fine large bloom.
Madame Landrey. Clear salmon, center shading to copper, with white eye.
Madame Buchner. Double; snow-white. A strong grower.
S. A. Nutt. Double. Brilliant deep blood-red, with maroon shadings.
Rather tall; vigorous grower. Truss large. One of the finest bloomers.
Toronto. Bright salmon. Flowers and truss of large size. A grand bedder.

TRICOLOR.

LEAVES VARIEGATED. Prized for the beauty of the foliage.
Mrs. Pollock. Flowers scarlet.
Happy Thought. A tricolor geranium, with very dark green foliage, having a light, creamy, almost white center, with a dark band about the light zone.

DOUBLE IVY-LEAF.

This class has thick, glossy, Ivy-shaped leaves. The plants are drooping in habit, and excellent for baskets, vases, and house plants.
Jeanne d'Arc. White, suffused with lavender. Double.
Leopard. The color is clear lilac-pink, the upper petals being heavily blotched with deep crimson, and marked with maroon dots.
Souvenir de Chas. Turner. Double; deep pink, maroon in upper petals.

SWEET-SCENTED.

Dr. Livingstone. Leaves finely divided, very fragrant.
Mrs. Taylor. Scarlet flowered, rose-scented.
Rose. This is the most desirable of the scented varieties.

LEMON VERBENA

A well known plant noted for the delightful fragrance of its foliage. No garden is complete without it. Each, 15 cents; dozen, \$1.50.

FRAGRANT OLIVE

Olea Fragrans. Small pure white flowers, deliciously fragrant. Each, 20 cts.

OTTHONNA CRASSIFOLIA

A neat drooping plant for hanging baskets. Yellow flowers. Each 10 cents; three for 25 cents.

OXALIS

Oxalis floribunda alba. An ever blooming variety; leaves three-parted, flowers in clusters, white, half an inch or more in diameter. Each 10 cents.

PETUNIA

Single, Vick's Ruffled. These plants are from seed of our own growing, and we recommend them as being very fine. The flowers are richly colored, very large and beautifully fringed. Each, 15 cents; two for 25 cents; dozen, \$1.25.
Single Fringed. Flowers nicely fringed. Each, ten cents; three for 25 cents; dozen, \$1.00.

PRIMROSE

Mexican Primrose. A charming plant, which in freedom of bloom excels all others. Flowers almost three inches in diameter, cup-shaped; color bright pink, with scarlet veins and large, showy white center. A plant of easy culture. Each, 15 cents; two for 25 cents.

Primula obconica grandiflora. Perpetual blooming, bearing large trusses of flowers on long stems well above the foliage. Color pale lilac, shading to white. Requires cool temperature. Of easy culture. Each, 15 cents.

SWAINSONA

Galegifolia Alba. A popular house plant blooming in sprays of 10 to 20 flowers shaped much like Sweet Peas. A grand ever-blooming plant, its pure white flowers are now used extensively in cut-flower work. Each, 15 cents; two for 25 cents.

SALVIA

Each, 15 cents; per dozen, \$1.50.
Clara Bedman or Bonfire. A dwarf early blooming variety. The plants are almost hidden by the mass of brilliant scarlet flowers.
Splendens. The well-known Scarlet Sage. A splendid flowering plant with plumes of dazzling scarlet flowers.

PALMS

First size, eighteen to twenty inches high; second size, eight to twelve inches high; third size, strong young plants from three-inch pots.

Sent by Mail or Express, charges prepaid, at prices quoted.

Kentia Belmoreana. Graceful arching leaves, with long, terete, shining, yellowish-brown petioles; divisions of the leaves, twenty to thirty in number, strap-shaped, deep green in color. This palm will stand a great deal of ill-usage and maintain a good appearance. First size, \$1.25; second size, 85 cents; third size, 35 cents.

Kentia Forsteriana. The beautiful "Thatch Palm," similar to the last, but the petioles are a brighter green and the leaf divisions narrower, more delicate and graceful. A handsome Palm for table decoration. First size, \$1.25; second size, 85 cents; third size, 35 cents.

Latania Borbonica. Has fan-shaped leaves, split into divisions at the apex, and frequently there are threads hanging between the divisions. A strong, vigorous plant, and makes a fine appearance in the window, or in contrast with other plants. First size, \$1.15; second size, 50 cents; third size, 25 cents.

OLEANDER

Splendens variegata. Large, double, pink flowers, produced early in the season; glossy green leaves with a broad margin of creamy white. Each, 25 cents.

Double Pink. The old variety. Each, 25 cents.

RUBBER PLANT

Ficus elastica. This is certainly one of the best plants grown for table or house decoration. It succeeds well with ordinary treatment. The glossy green leaves resist the dirt and gas to which plants in dwelling houses are exposed. Strong plants, each, 50 cents; larger plants, 75 cents and \$1.00 each.

UMBRELLA PALM

Cyperus alternifolius. A beautiful, easily-grown plant, that is admirably adapted to many different modes of culture. It makes a very showy plant for pot culture, is one of the best for ferneries, while for the aquarium it is without an equal. Each, 15 cents; three for 30 cents.

VINCA MAJOR VARIEGATA

A beautiful trailing plant, admirably adapted for hanging baskets and vases. The leaves are glossy-green, broadly margined a creamy white; flowers blue. Each, 10 cents; large plants, with vines two or three feet, 25 cents.

TWO USEFUL HERBS

English Lavender. Each, 15 cents; two for 25 cents.
Mammoth Broad-Leaved Sage. Each, 15 cents; two for 25 cents.

Tender Climbing Plants

IPOMEA—Moonflower

Ipomœa Bona Nox. Offered under various names, such as Good Night, Evening Glory, and the like. It is a beautiful, vigorous climber, producing large, pure white, sweet-scented flowers at night and on dull, cloudy days. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Tender climber. Each, 20 cents; dozen, \$2.00.

Ipomœa Leari (Blue Moonflower). A splendid companion to plant with Ipomœa Bona Nox. Flowers six inches across, of intense violet-blue, with reddish purple rays. Tender climber. Each, 20 cents; dozen, \$2.00.

One plant each of Ipomœa Bona Nox and Leari for 30 cents.

NASTURTium—Double

Golden Wonder. One of the finest plants grown for covering rockeries or trellises. The color is a bright golden yellow, with a dash of scarlet in the center of each petal. Flowers perfectly double, and borne in great numbers throughout the whole year. Tender. Each, 20 cents.

Sunbeam. A strong, vigorous, climbing vine, resembling the common Nasturtium in habit and foliage. The flowers are one or two inches in diameter, perfectly double like Roses, and borne in great profusion all through the season. The color is a beautiful shade of bright orange-red. Tender. Each, 20 cents.

One plant of each of the two varieties for 30 cents.

PASSIFLORA—Passion Vine

A class of rapid growing climbing plants well adapted for house culture in winter or for trailing over porches, etc., during summer. The flowers are about four inches in diameter, with petals pear-shaped and very symmetrically arranged.

Constance Elliot. The flowers are pure white. Each 15 cts., two for 25 cts.

GERMAN IVY. A fine, thick-growing trailing plant that is unsurpassed for use in hanging baskets and urns, where delicate green foliage is needed. Each, 10 cents; three for 25 cents.

JASMINE. *Jasminum grandiflorum.* A favorite greenhouse climber or house-plant everywhere; one of the sweetest of flowers. Foliage fine; flowers white, star-shaped and very fragrant, blooming from November till May. Easy of culture. Tender climber. Each, 20 cents.

MANETTIA VINE. *Manettia bicolor.* A beautiful twining plant, flowers from one to two inches in length, of the most intense fiery scarlet, with bright yellow tip. As a pot plant to train on a trellis it is unrivaled. In the open ground it succeeds admirably. Tender. Each, 20 cents; two for 30 cts.

PILOGYNE SUAVIS. A splendid climber for screens and verandas; also fine for hanging baskets. Each, 15 cents; two for 25 cents; dozen \$1.25.

SMILAX. A popular and well-known climber. Foliage of a dark glossy green, used largely with cut flowers, wreaths, etc. Excellent for parlor or window culture. Tender. Each, 15 cents; dozen \$1.50.



SINGLE AND DOUBLE TUBEROUS BEGONIAS.

Tuberous Begonias

No plant equals these Begonias for growing in partly shaded places. The flowers are produced continuously from June to the middle of October, thus making a bed of beauty in places usually barren of bloom.

The flowers are brilliant and large, handsomely formed, and of wonderful size, often measuring from four to six inches in diameter. The plants bloom freely all summer, and are fine either as pot or bedding plants, being easily raised and requiring but little attention. After the blooming season is over the tubers are dried and either left in the pots or placed in dry sand and kept until the spring, to be started again in February or March.

Single Five colors, affording a charming selection for contrasting colors, in bedding. **White, Crimson, Scarlet, Rose, Yellow**; each, 10 cents; three for 25 cents; dozen, 75 cents. The set of five for 40 cents.

Double The same colors as found in the single Begonias, but the blooms are as large and double as *Marinesse Roses*. **White, Crimson, Scarlet, Rose, Yellow**; each, 20 cents; two for 30 cents; five for 60 cents; dozen, \$1.25.

Bearded Begonia (*B. grandiflora erecta cristata*). This curious strain of Begonia has single flowers, of good size, bearing on each petal a dense crest or beard composed of curiously twisted threads, which gives the flower a gay and puzzling aspect. Highly interesting. **Mixed Colors**; each, 20 cents; two for 30 cents.

AMARYLLIS

The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. The bulbs should be potted in a rich, sandy loam, with good drainage. They require abundant moisture when growing, but at their season of rest water should be given sparingly.

Fragrans. Flowers three to four inches long; yellow; fragrant; stalks 15 to 18 inches high. Each, 15 cents.

Regine (Equestre). One of the best of the Amaryllis family for winter-blooming. Flowers large, bell-shaped; color light scarlet, throat or center white. Each, 10 cents.

Johnsoni. An elegant pot plant, with crimson flowers five inches in diameter, each petal striped with white. Flower-stalks two feet high, with clusters of three to five blooms. Each, 50 cents.

Formosissima (Jacobean Lily). Eight to ten inches high. Flowers dark crimson. The bulbs are dormant during the winter. Each, 15 cents.

Lutea. Flowers yellow, cup-shaped; free bloomer; very desirable. Each, 15 cents.

CALADIUM

Fancy-Foliaged. The fancy-foliaged varieties are very satisfactory for summer decoration. Leaves striped, blotched, and spotted with white, crimson, and pink; in fact, the variety of color is something wonderful. In the fall they die down, and the bulbs should be kept in the pots in a warm place. Each, 25 cents; dozen, \$2.50.

Esoulentum—Elephant's Ear. One of the handsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden. Medium-sized bulbs, each, 20 cents; dozen, \$2.00. Large-sized bulbs, each, 30 cents; dozen, \$3.00. Mammoth-sized bulbs, each, 40 cents; dozen, \$4.00.

CALLA

Little Gem. A dwarf variety of the old Calla, ten to twelve inches high; free bloomer. Each, 15 cents; two for 25 cents.

Alba maculata, or Spotted Calla. Beautiful for pot culture. The foliage is marked in the same manner as that of the Yellow Calla. The bulbs must be kept in dry sand in the winter. Each, 10 cents; dozen, \$1.00.

Yellow Calla (Richardia Elliottiana). The flowers are nearly as large as those of the white Calla but more urn-shaped, and the color is a rich canary-yellow. It blooms late in the spring, and the culture of the plant is very much the same as that of the White Calla. Each, 75 cents.

GLOXINIA

Gloxinias are among the handsomest of our summer-blooming greenhouse plants. The flowers are gorgeous, and the foliage has a velvety appearance. Bulbs should be started in spring in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld and the bulbs remain dry through the winter.

Red, White, Blue, and Spotted. Each, 20 cents; two for 35 cents; four for 60 cents. Dozen, \$1.50.

MADEIRA VINE

For porches and arbors no other climber gives such rapid and satisfactory results. The thick, dark green foliage forms a fine screen, and the white flowers are very fragrant. Price, strong bulbs, 5 cents each; 50 cents per dozen.

MONTBRETIAS

One of the most showy summer-flowering bulbs. Flowers star-shaped, produced in great numbers on long, graceful spikes. Three for 10 cents; dozen, 30 cents; hundred, \$1.75; postpaid.

OXALIS

Free-blooming bulbs, fine for pots, vases, or for edging walks and beds. Plant three inches apart. Dozen, 15 cents; hundred, 75 cents; by mail prepaid *Lasiandra*. Rosy crimson. *Tetraphylla*, (Dappei). Rosy lilac.

TIGRIDIA

Tigridias are beautiful flowers, delicate as orchids, and showing wonderful blendings of colors. Plant bulbs in May and give the same care as to *Gladiolus* for winter.

Conchiflora. Yellow and orange, with dark spots. Each, 6 cents; dozen, 60 cents.

Grandiflora alba. A beautiful variety, with large showy white flowers, marked at the base of each division with spots of a reddish brown color on yellow ground. Each, 6 cents; dozen, 60 cents.

Grandiflora lilacea. Beautiful large flower, lilac, purple, and white spots in center. Each, 6 cents; dozen 60 cents.

WATER LILIES—Nymphaea

Nymphaeas can be grown in any swampy piece of ground, and even in tubs of water sunk in the ground, or on the surface, and in aquariums in the house, with soil or mud at the bottom. For ponds, if a soft, muddy bottom, tie the root to a stone to sink it, and drop it in near the shore in two or three feet of water.

Nymphaea odorata. Common white Water Lily, very fragrant. Each, 20 cents; dozen, \$2.25.

Odorata rosea (Cape Cod Pink.) The choicest pink. Each, 50 cents.

Alba candidissima. petals very broad, rounded at the point, and waxy white. Perfectly hardy. Each, 60 cents.

Alba Gladstoniana. The finest white Nymphaea. Large, strong grower; flowers six to eight inches across, with broad, pure white petals. Each, 60 cts.

Mariacaea chromatella. Flowers eight inches across; beautiful lemon-yellow at bases, softening into light creamy yellow at tips. Each, 85 cents.

The set of five for \$2.50.

Gladiolus "Glory"



GLADIOLUS

There is no other summer-flowering bulb so satisfactory, needing so little attention and thriving so well in almost any ordinary soil, as the Gladiolus. The bulbs should be set from three to six inches apart in rows, or, for massing, six inches apart, and about four inches deep. Plant from middle of April to first of June. In the fall, before hard frosts, take up the bulbs, remove the tops, dry in the air for a few days, and store in some cool, dry place, secure from frost, until spring. Our list is a selection of the cream of hundreds of varieties which are grown on our own farm, under our own supervision.

America. The finest gladiolus yet introduced. Splendid flowers of a beautiful clear, flesh pink color. Each, 15 cents.

Attraction. Flowers very large. A soft shade of deep carmine rose. The large throat is pure white. Each, 15 cents.

Augusta. Fine white, faintly tinged with lavender. Free bloomer and has a long season. Each, 10 cents.

Baron Hulot. Dark, velvety, violet-blue flowers on long stems. Best of the blues. Each, 25 cents.

Beauty. Earliest of all. Very light pink with chocolate throat. Each 10 cents.

Brenchleyensis. Vermilion-scarlet. Fine old variety. Early, vigorous and free bloomer. Each, 15 cents.

Canary Bird. Clear canary yellow, without markings. The best yellow. Each, 15 cents.

Contrast. (New) Tall, strong spike, bearing large flowers that are dazzling in their brilliancy. The ground color is a clear scarlet, while the throat is pure white. Each, 40 cents; half dozen, \$2.00.

Ceres. White, flushed carmine, with carmine blotch in the throat. Each, 10 cts.

Eugene Scribe. The large, well-opened flowers are a soft rose-pink heavily flaked with bright carmine. Edges of flowers ruffled. Large spikes. Each, 10 cents.

Irene. Very large flowers of soft rose-pink, lightly flaked with carmine, throat carmine. Each, 15 cents.

Isaac Buchanan. Light yellow, flushed with deeper color. Each, 10 cents.

Jeon Dieulafoy. Early. Large flowers of creamy pink. Large blotch of bright crimson in throat. Each, 10 cents.

Kunderi "Glory" The type is distinctly new. Broad expanded, wide open flowers, parted by two, to all the same direction and are carried on straight, stout stalks never less than 3½ feet in height. From four to eight flowers are open at one time. Each petal is exquisitely ruffled and fluted at the edges, giving the flower a refined appearance, and it appeals instantly to the fancier. The color is delicate cream-pink with a neat attractive crimson stripe in the center of each lower petal. This shade of pink was unknown in Gladiolus. Each, 25 cts; doz. \$2.50.

Madam Monneret. Soft pure pink; a little carmine in the throat. Each 10 cents.

May. Beautiful light flesh pink, flaked with carmine at the edges. A good variety for all purposes. Each, 10 cents.

Mephistopheles. Very striking. Deep scarlet heavily marked with yellow and dark crimson. Each, 10 cents.

Monroe. A new and distinct variety. Color is a deep crimson-purple, with faint cream colored line on lower petals; soft and velvety in appearance. Each, 20 cents.

Mrs. Beecher. Immense broadly open flower of deepest scarlet. The white throat is closely overlaid with lines and dots of crimson. A trifle smaller than Princeps, but better for general use. Each, 10 cents.

Octoroon. Beautiful salmon pink. Very distinct. Each, 10 cents.

Princes. The broadly flaring flowers are the largest in cultivation. Clear, bright, scarlet. Throat like Mrs. Beecher. Each, 25 cents.

Rosella. Very large flowers of deep rose color. Each, 15 cents.

Scribe. Flowers of very largest size, on extra long, tall spike. Color and shape of the fine old Eugene Scribe.

Shakespeare. Light pink suffused with carmine. Each, 10 cents.

"1900." Rich, deep scarlet with large white blotch. Hardy and free flowering. A splendid, late blooming variety. Each, 10 cents.

Wild Rose. Magnificent large flower of soft flesh pink. Color of the popular "America," but larger flower and longer spike.

Each, 25 cents.

Collection of Choice-Flowering Varieties

America. Beautiful clear pink.
Augusta. White and lavender.
Brenchleyensis. Vermilion.
Eugene Scribe. Soft rose-pink.
May. Pink, flaked carmine.
Mrs. Beecher. Deep scarlet.

Six Varieties

50 cts.

Postpaid

Collections of Gladioli

Vick's Named Mixture. This is a mixture of over 150 named varieties, to which we are adding every year. It comprises every class, and will furnish a profusion of bloom from July till frost. Many of these varieties cost us several times as much as we offer the mixed at. Half dozen, 30 cents; dozen, 55 cents; hundred, \$4.00; charges prepaid.

First Quality Mixed. All colors in fine assortment. Half dozen, 20 cents; dozen, 30 cents; hundred, \$2.00; charges prepaid.

Red and Scarlet. All shades. Half dozen, 25 cents; dozen, 30 cts.; hundred, \$2.00; charges prepaid.

GROFF'S HYBRID GLADIOLI

This race of Gladioli contains many striking shades. The plants are more robust than those of the standard, or Gandavensis type, and the flowers are larger, more spreading and have broader throats. The famous "America" is one of the many choice varieties taken from Groff's Hybrids.

GROFF'S LIGHT AND WHITE HYBRIDS

Beautiful collection of light and dainty shades. Half dozen, 30 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

GROFF'S RED HYBRIDS

All shades of red, scarlet and crimson. Half dozen, 30 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

GROFF'S BLUE HYBRIDS

Includes all the shades of clermatis, blue and heliotrope; a beautiful strain. Half dozen, 45 cents; dozen, 80 cents; hundred, \$6.00; prepaid.

GROFF'S MIXED HYBRIDS

All shades in grand mixture. Half dozen, 30 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

TUBEROSE

The Tuberose is a beautiful, pure white, wax-like, very sweet-scented, double flower, growing on tall stems, each stem bearing a dozen or more blossoms. Our Tuberose are all extra sized, splendid bulbs.

Dwarf Tuberose Pearl. Each, 5 cts.; six for 25 cts; dozen, 35 cts.; \$2.50 per hundred.

Vick's Dahlias

High
Grade
Stock—
true to
Name
and
Color



CACTUS DAHLIAS

Arachne. Petals white edged with crimson. Some of the flowers are all crimson.

Countess of Lonsdale. Rich salmon, tinted apricot. One of the easiest of all the Cactus Dahlias to grow, and last season produced more blooms than any other Cactus Dahlia on our farm.

Earl of Pembroke. Dark, rich shade of reddish purple. 15 cents each; \$1.50 a dozen.

Kriemhilde. Exquisite combination of ivory white and pink. "Queen of the Cactus Dahlias."

Matchless. Dark, velvety maroon. 15 cents each; \$1.50 a dozen.

Mrs. H. J. Jones. Crimson-scarlet striped with cream. Varies from solid crimson to cream color on the same plant.

Mrs. J. J. Crowe. Clear yellow; fine habit and form.

Mrs. J. P. Mace. Delicate blush pink. Splendid for cutting. One of the most valuable additions to the list in recent years. 30 cents each; \$3.00 a dozen.

Progenitor. Soft rich scarlet. Ends of petals forked.

Spotless Queen. Pure white. Medium size. Free flowering.

Standard Bearer. Brilliant scarlet. Medium size. Very free flowering.

St. Catherine. Orange and scarlet. 15 cents each; \$1.50 a dozen.

Volker. Exquisite golden yellow. Petals very long and narrow.

Winsome. Pure white. Good sized incurved flowers.

Decorative Dahlias

are intermediate between Cactus and Show. The massive flowers are not so globular as the Show and the petals are broad and somewhat flattened.

20 cents each; \$2.00 a dozen; except where noted.

Mail or express prepaid.

Black Prince. Dark velvety maroon. Large flowers. 15 cents each; \$1.50 a dozen.

Blue Oban. Lavender blue. Free blooming.

Clifford W. Bruton. Canary yellow. Large, long stemmed flowers. One of the finest Decorative Dahlias.

Eureka. Deep rose; full double flowers. Free bloomer.

Frank L. Bassett. Dark, bluish purple; large. Early and free blooming.

Grand Duke Alexis. Immense white flowers. Petals quilled, the tips delicately tinted light lavender. Strictly speaking a Show Dahlia; but on account of its great size we prefer to place it with the Decorative.

Henry Patrick. Pure white. Fine long stemmed flowers.

Iridescent. Metallic bluish tints on red ground. Free flowering.

Keystone. Lilac ground penciled with crimson. Fine large flowers.

Lyndhurst. Rich glowing scarlet. Fine long stemmed flowers. A clearer, deeper shade than William Agnew.

Mrs. Hartong. Light fawn suffused with pink. Large. Fine form. Each, 15 cents; \$1.50 a dozen.

Mrs. Roosevelt. Delicate light pink. Immense double flowers of graceful form. Free flowering. A magnificent variety. 30 cents each; \$3.00 a dozen.

Nymphæa. Light shrimp pink, almost white. The "Water Lily Dahlia." Robust plant and large beautiful flower. 15 cents each; \$1.50 a dozen.

Olympia. Rose pink, striped and penciled with crimson. Occasionally comes in solid crimson. Fine double flowers.

Oriental. Striking shade of orange salmon. Large flowers. 15 cents each; \$1.50 a dozen.

Perte d'Or. Pure white; large. Free blooming. Petals split at the tips giving a beautiful Chrysanthemum effect. 15 cents each; \$1.50 a dozen.

William Agnew. Brilliant glowing scarlet. The beautiful large flowers are a little lighter shade than Lyndhurst. 15 cents each; \$1.50 a dozen.

NO flowers are easier to grow, or respond more readily to care and attention, than Dahlias; but three things are of prime importance: a moderately rich soil, sunshine, and water. Plant about May 1st, covering the tubers three inches deep. If many shoots start up, thin them out to one or two. When the plant is six inches high, cut it off above the second joint. This will cause it to throw out four branches, making a strong, bushy plant, which will withstand winds and produce flowers freely. Cultivate well until they begin blooming; after that, stir only the surface soil, and then just enough to prevent a crust from forming.

Cactus Dahlias

have large, loosely formed flowers. The long, narrow petals are variously rolled or twisted. The flowers, many of which are nodding on slender stems, are the most graceful and artistic of all the Dahlias.

20 cents each; \$2.00 a dozen; except where noted.

Mail or express prepaid.

Alpha. Spotted and penciled deep pink and crimson on white ground.

Amos Perry. Bright scarlet. The long stemmed flowers fine for cutting.



Pompon Dahlias

The ball-shaped flowers of the Pompon Dahlias are a little smaller than those of the Show class, and are borne in the greatest profusion on long slender stems. They are earlier than the larger classes.

15 cents each; six for 75 cents; mail or express prepaid.

Daybreak. Soft shell pink. **May Oakleigh.** Deep lilac.
Elfin. Pale Primrose. **Dainty.** **Snowclad.** The best white pompon.
Eleganta. Soft pink, tipped deeper pink. **Teddy.** Pink and rose.
Fairy Queen. Sulphur yellow, edged deep peach.
Prince Charming. Creamy white, tipped pink.
Vivid. Bright fiery scarlet. A profuse bloomer.



DECORATIVE DAHLIA, GRAND DUKE ALEXIS

Show Dahlias.

The old fashioned double Dahlia. Ball-shaped flowers; the petals quilled or tubular. As a class they are more formal than the Cactus or Decorative. They still retain their old-time popularity, on account of their long stiff stem and lasting qualities as cut flowers.

15 cents each; \$1.50 a dozen; mail or express prepaid.

A. D. Livoni (Ethel Vick.) Soft sea shell pink. A splendid cut flower.

Apple Blossom. Shades of pink and rose. Very pretty.

Arabella. Pale primrose, tipped lavender and shaded rose. A charming color and an early, free blooming flower.

Bird of Passage. White, tipped with pink.

Carol. White delicately tinted soft pink. Medium size; very free blooming.

Emily. Lavender. Flowers of great size on long stems. A grand variety and a very free bloomer.

Frank Smith. Deep velvety maroon, each petal distinctly tipped with white. Very striking and attractive.

James Vick. Intense purple maroon.

Maid of Kent. Cherry red, tipped with white.

Miller's Red. Dark crimson scarlet. Large and free flowering

Mrs. Dexter. Very large flowers. A rich shade of salmon.

Penelope. White daintily flaked light lavender. Good size and free blooming

Queen of Yellows. Clear, deep yellow. A splendid flower for cutting.

Red Hussar. Brilliant glowing scarlet. Lighter shade than Miller's Red and not quite so large. Free flowering.

Storm King. Pure white. Very early and the most profuse bloomer of any white.

White Swan. White. A magnificent white flower.

Vick's Dahlias in Collections

Sold at Special Prices

Vick's Selection of Named Dahlias

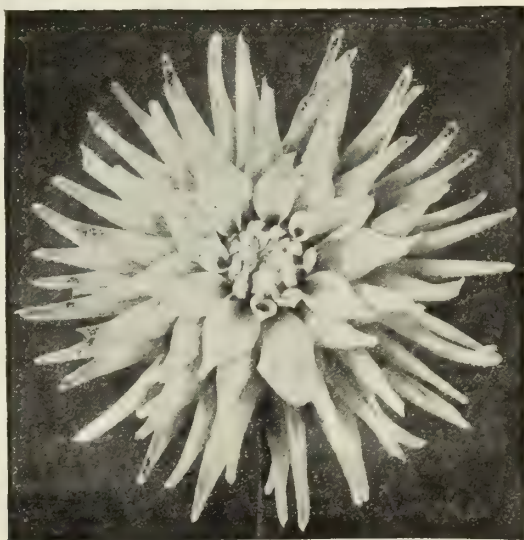
12 of our regular \$1.50 per dozen Dahlias for \$1.00; 6 for 60 cents; 3 for 35 cents, postpaid

You allow us to select them; that is all. And only to prevent a run on one or two varieties in advance of others, do we reserve this privilege. Keeps our stock of scarcer varieties uniform, you see; but it only reverts to your particular benefit.

So for \$1.00 we send you postpaid twelve (12) named sorts, six (6) for 60 cents; three (3) for 35 cents. You get the same \$1.50 per dozen quality, too, but at one-third off, and will enjoy all the glory of these grand autumn flowers in a quality that only VICK knows how to produce. Depend upon us.

Vick's Named Mixture. Made up entirely from Named Varieties. Contains nearly 100 varieties—all classes and colors, selected from our list of the choicest varieties.

Each 10 cents; six for 40 cents; dozen, 75 cents. Charges prepaid.



CACTUS DAHLIA, KREIMHILDE



Small Fruits



RASPBERRIES

At the single and dozen prices we prepay mail or express charges. Hundred and thousand lots by express or freight, charges not prepaid.

Blackcaps, and others that increase from the ends of the canes, should be planted three and a half by seven feet. Keep the soil loose and free from weeds. When the canes attain the height of one foot, pinch off the ends; this causes the canes to branch, grow stocky and self-supporting. In the spring of the bearing year cut these back to within six inches of the main stalk. After fruiting, cut out all the dead wood. Red Raspberries and all others that sucker, should be set five by three and a half feet apart, when they must be cultivated both ways. Allow only three or four canes in each hill; treat all others as weeds. For garden culture set red varieties three feet apart each way, Caps four by three feet,

RASPBERRIES, RED

Herbert.

Fruit bright red, somewhat oblong, the largest of all red Raspberries, larger than Cuthbert or Loudon. Flavor, very sweet and juicy, the very best for table use. Enormously productive, will bear twice the crop of either Cuthbert or Loudon, under the same conditions. Season five to six days before Cuthbert. Holds its size well to end of season. In hardiness it easily takes first place, standing a lower temperature than any other kind. The cane is very strong and vigorous, slightly prickly, leaves large and healthy, and has never been affected by Anthracnose, or disease of any kind. Each, 30 cents; dozen, \$3.00; hundred, \$15.00.

Columbian. Popular for the home garden. Grows from eight to twelve feet high, and covered with fine, large, crimson berries. Perfectly hardy; has endured 28° below zero without freezing. Best for canning, and evaporating, retaining color, form, and flavor remarkably. Each, 15 cents; dozen, \$1.00; hundred, \$3.00; thousand, \$18.00.

Cuthbert. A valuable late variety; large, firm, and of superior quality; very productive. Each, 15 cents; dozen, 75 cents; hundred, \$2.25; thousand, \$12.00.

Loudon. Hardier, better, and far more productive than Cuthbert. Berries firm; bright red; splendid shipper. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

Miller's Red. One of the best early varieties. As large as Cuthbert. Bright red. Flavor rich. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

RASPBERRIES,

BLACK

Price, except as noted, each, 15 cents; dozen, 75 cents; hundred, \$2.00; thousand, \$15.00.

Cumberland. Very hardy, having withstood a temperature of 16° below zero. Very productive, making large crops of enormous berries. Fruit unusually firm, and may be shipped long distances. Mid-season variety, coming ahead of the Gregg. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

Gregg. Very large, fine quality, productive, late, hardy.

The Kansas. Early. Stands drouth well, and is uninjured by frost; fruit is larger than that of the Gregg. Jet black, firm texture.

RASPBERRIES,

YELLOW

Golden Queen. Light amber. Each, 15 cents; dozen, 80 cents; hundred, \$3.00.

CURRANTS

At the single and dozen prices we prepay mail or express charges.

Hundred lots by express or freight, charges not prepaid.

Choose a moist rich soil for Currants. Plant five feet apart each way. Keep free from weeds and grass by liberal cultivation and mulching. Use plenty of manure, and trim out superfluous wood by cutting back the new growth two-thirds each year. Keep the foliage free from worms by using white hellebore.

Each, 20 cents; dozen, \$1.25; hundred, \$7.00.

Cherry. Large and productive. Standard for market.

Black Champion. An English variety. Extra good for jams, etc.

Fay's Prolific. One of the best; very productive; large; good flavor; early.

Red Cross. A fine variety. Plants strong, vigorous, remarkably productive. Clusters large, often measuring four inches in length; berries large.

White Grape. Valuable for the table; quality excellent, mild, and sweet.

Perfection. Color, bright red; size, as large as the Fay's or larger, the clusters averaging larger, the size of berry being well maintained to end of cluster. Rich, mild sub-acid, plenty of pulp, with few seeds. Less acid and of better quality than any other large currant in cultivation. The Perfection is a great bearer, superior to Fay or any other large sort. Strong 2-year plants, each, 30 cents; \$2.50 per dozen.

Vick's Catalogue of Fruit and Ornamental Trees

gives the information the average fruit grower is looking for—tells how and where to plant; the varieties are described in a simple way; and, best of all, *it's reliable*. Ask for a free copy when you send that order for seeds.



See page 93 for collections of Small Fruits

THE NEW HERBERT RASPBERRY.

GRAPES

At the single and dozen prices we prepay mail or express charges. Hundred lots by express or freight, charges not prepaid.

Rows should be eight feet apart, and vines from six to eight feet apart in the row. Dig a hole two feet long, one foot wide, and one foot deep. Put a little surface soil in the bottom, and mix in some bone dust or commercial manures, and then place in another thin layer of surface soil. Trim the ends of roots and spread out in hole, covering with surface soil. Cut the vine back to two buds, and draw in the earth so as to cover roots and stem up to top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Old wood never bears the second time; the vines of this year bear fruit the next. Nine-tenths of the wood should be cut away each season to get the largest and best grapes. *Vines are all strong two-year plants, true to name.*

Each, 20 cents; dozen, \$1.75; except as noted.

Campbell's Early. Strong, vigorous, hardy vine; thick, healthy, mildew-resisting foliage; always setting its fruit well and bearing abundantly. Berries large; black, with light purple bloom. Flavor rich, sweet, slightly vinous. Very early. Each, 30 cents; dozen, \$2.50.

Catawba. Large, compact; berries deep red, sweet and juicy.

Concord. Black. Most popular and reliable variety cultivated. Each, 15 cents; dozen, \$1.50.

McKinley Early. New. A cross between Niagara and Moore's Early; has all the good qualities of the Niagara, but *fully ten days earlier*. The best early white variety ever offered. Strong 2-year-old plants, each, 50 cents.

Diamond. Bunches large, compact, shouldered. Berries large, white, melting, juicy, sweet to center. Skin thin. Strong grower and abundant bearer.

Niagara. Strong grower. Bunch and berries large; color light green. Very productive.

Worden. The best black; most productive and satisfactory of all varieties.

OTHER STANDARD VARIETIES

Brighton. Lady. Pocklington. Delaware.
Moore's Early. Wyoming. Agawam (Roger's No. 15).

Our Grand Collection of Small Fruits

Gives a splendid assortment for a family garden. No better varieties can be found anywhere, nor can they be had at a lower price. See page 92.



PEARL GOOSEBERRIES



RATHBUN BLACKBERRIES

BLACKBERRIES

At the single and dozen prices we prepay mail or express charges. Hundred and thousand lots by express or freight, charges not prepaid.

For field culture, plant in rows six feet apart and plants three feet apart in the row. For garden culture, five by four feet.

Price, except as noted, each, 15 cents; dozen, 80 cents; hundred, \$2.50; thousand, \$15.00.

Blowers. The giant of all Blackberries. An upright strong grower, very hardy and productive. Ripens about the middle of July and continues bearing for about two months. Each, 25 cents; dozen, \$1.50.

Eldorado. Very vigorous and hardy; fruit large, of finest quality, and without a hard core.

Minnewaski. One of the largest and most productive. Early.

Rathbun. Fruit extra large. In quality it surpasses the luscious Dewberry, being without the hard core common to Blackberries. It brings more in the market. The plant is hardy, vigorous, and a great bearer. Fruit large throughout the season. As a shipper it is unsurpassed.

Snyder. An exceptionally hardy variety. Berries medium size, produced abundantly; sweet, juicy, and, when fully ripe, without a hard core.

GOOSEBERRIES

Gooseberries thrive best if planted where they will receive a partial shade. Plant the same distance as Currants. Gross feeders, liking a deep rich soil.

At single and dozen prices we prepay postage or express charges. Chautauqua. Fruit a light yellow (nearly white), free from spines and hair. Thick-skinned, sweet, and of exquisite flavor. Equal to any other variety on the market. Each, 50 cents; dozen, \$3.50.

Downing's. A native seedling; vigorous, hardy, and prolific; free from mildew. Fruit greenish white, large. Each, 25 cents; dozen, \$1.50.

Industry. A valuable new foreign variety. Fruit dark red, very large, and of a rich agreeable flavor. An immense yielder. Each, 30 cents; Doz., 2.00.

Pearl. Grown from seed of Houghton, crossed with Ashton Seedling. Worthy of special notice because of its good quality, productiveness, and freedom from mildew. Each, 25 cents; dozen, \$1.50.

Red Jacket. An American seedling of large size. Smooth, prolific and hardy, of best quality. Each, 25 cents; dozen, \$1.50.

STRAWBERRIES

For field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture, plant three feet by one foot. Should the ground not be prepared for planting on receipt of plants, they should be carefully heeled in, in a cool, moist, shady place. Do not sprinkle the foliage, as it causes a moisture to collect, which is very injurious to the crowns, causing them to rot. In setting the plants be careful to have the crowns even with or a little above the surface of the ground, and to have the trench or hole in which the plants are to be set deep enough to allow the roots their full length. Some varieties of Strawberries have pistillate or imperfect flowers. These must have perfect-flowered varieties planted every fifteen or twenty feet among them, or they will produce imperfect fruit. The pistillate varieties are marked (P).

At dozen and hundred prices we prepay postage or express charges; at thousand rate customers will pay express or freight charges.

Dozen, 25 cents; 100, \$1.25; 1000, \$6.00, except as noted.

Abington. Large, bright red, firm and good quality; holds its color well and continues bearing a long time. An improvement on Bubach. Dozen, 45 cents; 100, \$2.50; 1000, \$10.00.

Vick's Uncle Joe. Its fruit is perfect in form, of a dark, rich color, firm flesh, monstrous in size and uniform in shape. Among other attractive features, its early and continuous yield during the season is attributable to its strong, healthy and robust growth. Dozen, 50 cents; twenty-five, 75 cents; hundred, \$2.25; fifty at hundred rate; thousand, \$12.00.

Climax. This very prolific strawberry originated with Henry W. Graham, of Maryland. In 1900 he had 1,100 plants, which he set on less than a quarter of an acre. In 1901 he shipped 6,300 quarts, or about 20,200 quarts to the acre. Medium early. Dozen, 35 cents; 100, \$2.00; 1000, \$8.00.

Early Beauty. Fruit medium to large. Productive and good quality. One of the best early varieties we have ever fruited. Dozen, 45 cents; 100, \$2.50; 1000, \$10.00.

Echo. Superior to other varieties in both flavor and sweetness. Fruit brilliant red, of medium size, second early. Very productive.

Gandy. One of the best late Strawberries. Large, uniform size, rich crimson. Is a vigorous grower and good cropper. Late to very late.

Stevens' Late Champion. The plants of this variety are of more than ordinary vigor; a good runner; perfectly healthy; color bright. A fine looking berry. Ripens after most other varieties have gone. We consider it the best late strawberry. Dozen, 35 cents; 100 \$2.00; 1000, \$8.00.

William Belt. A handsome variety. Large and of the finest quality. One of the very best for the home garden.

World's Wonder. As productive as the Haverland, but twice as large. Fruit is a bright red in color and does not turn dark after being picked. Uniform in shape, large size, good keeper and shipping berry. Ripens early and brings extra fancy price on market. Vines are strong, thrifty, and rapid in growth. Will produce a large crop on either high or low land. The fruit is so firm and its keeping qualities are so excellent that it does not need to be picked oftener than once in three days. Dozen, 50 cents; hundred, \$2.50; thousand, \$10.00.

OTHER STANDARD VARIETIES

Brandywine,	Eureka,	Jessie,	Crescent (P).	Glen Mary
Bubach,	McKinley,	Wilson,		Sample.
	Nick Ohmer,	Seaford.		



WILLIAM BELT STRAWBERRY

Collection of Small Fruits for the Home Garden

No changing or substituting allowed in these collections.
Postage or Express Prepaid.

COLLECTION No. 1, STRAWBERRIES

Five varieties, early, medium, and late, which in our judgment are best adapted for general garden culture.

12 Echo . . . \$0 25	12 Glen Mary . \$0 25	12 Seaford . . \$0 25
12 Gandy . . . 25	12 Sample . . . 25	

Five Varieties--60 Plants--for \$1.00

COLLECTION No. 2 RASPBERRIES

RED--6 Miller's Red . . . \$0 40	BLACK--6 Cumberland . . \$0 40
6 Columbian 50	6 Kansas 40

4 Varieties--24 Plants--for \$1.25

COLLECTION No. 4

CURRANTS AND GOOSEBERRIES

6 Red Cross . . (red) . . . \$0 63	2 Gooseberries, Downing . 50
2 Black Champion 40	2 White Grape 40

4 Varieties--12 Plants--for \$1.25

COLLECTION No. 5, GRAPE VINES

1 Agawam (red) \$0 20	1 Catawba (red) \$0 20
1 Campbell's Early (black) . 30	1 Worden (black) 20
1 Diamond (white) 20	1 Niagara (white) 20

Six Varieties--for \$1.25

Our Grand Collection of Small Fruits

- No. 1 Strawberries
- " 2 Raspberries
- " 4 Currants and Gooseberries
- " 5 Grapes

The Entire Lot for \$4.50

VICK'S FRUIT AND ORNAMENTAL TREES

APPLES

Our list embraces a careful selection of the best for the several seasons and those that have proved worthy of general cultivation. Those starred (*) are the Russian and hardier varieties.

40 cents each, \$4.00 a dozen, \$30.00 per hundred

SUMMER

Early Harvest—Medium, pale yellow, fine flavor, sub-acid; very productive. July.

***Red Astrachan**—Large, crimson, juicy, with rich, sub-acid flavor. Bears early; hardy. July.

Yellow Transparent—The hardiest and finest early summer apple grown. Fruit large, pale yellow. July.

AUTUMN

***Duchess of Oldenburg**—A large, beautiful apple, round, streaked red on yellow ground; tender, juicy, very acid. Fine for cooking. September.

***Fameuse (Snow)**—Medium, deep crimson, flesh very white, tender, crisp and juicy, sub-acid. A popular dessert apple. October.

Maiden's Blush—Medium, pale yellow, red cheek, fine quality, sub-acid. October.

WINTER

Baldwin—Large, roundish, skin deep red, flesh juicy, crisp, sub-acid, good flavor. Vigorous and productive. Keeps splendidly. December to March.

***Grimes' Golden**—Good size, yellow; high quality, hardy. November to March.

King—An apple of the largest size; deep red, round, flesh yellow, juicy, acid, tender. Always in demand. November to March.

***McIntosh Red**—A very fine apple of the Fameuse class, hardy; large, dark red; flesh white, very tender, splendid quality. November to Feb.

Newtown Pippin—Large, round, greenish yellow. Very high quality, juicy, crisp, tender, rich, sub-acid. December to April.

Northern Spy—Crisp, tender, high quality, fine shape, beautiful coloring. Red, usually striped, sub-acid. November to March.

Northwestern Greening—Very hardy, greenish yellow, large mild, sub-acid. November to March.

Roxbury Russet—Medium, dull green and yellow; flesh white, rich, sub-acid. November to March.

Talman Sweet—Medium, pale whitish yellow; flesh white, fine grained; very hardy and productive. The best winter sweet apple for home and market. November to March.

***Wealthy**—An American apple that is becoming very popular on account of its handsome appearance and early fruiting. Hardy and productive. Fruit large size, roundish, skin smooth, splashed with dark red; flesh white, tender, juicy, sub-acid. November to January.

Wine Sap—Medium, deep red; firm, crisp, high flavor; popular in Southwest. December to May.

CRAB APPLES

Transcendent—Large, yellow with rich crimson cheek. An improved Siberian crab. September.

SUMMER PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Bartlett—Large size, rich, melting, delicious; everywhere successful. Blossoms sterile, requiring other varieties planted near by to insure fertilization. September.

Clapp's Favorite—Very large and showy, golden yellow with red cheek. Ripens a week before Bartlett. Rots at the core unless picked ten days before ripe. August.

Wildor—Medium size, yellow with carmine shading; fine grained, tender, sub-acid. August.

AUTUMN PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Duchesse d'Angouleme—Very large, greenish yellow, tender, melting, buttery and juicy; does best as a dwarf. October.

***Flemish Beauty**—Large, sweet, melting; very productive, but liable to scab; very hardy. September.

Kieffer—Very large, deep yellow with russet dots; juicy, sweet, coarse; immensely productive; very early bearer. Fruit must be thinned to get the largest size. Fine for canning. Said to be blight-proof. October and November.

Seckel—Small, finest flavor; excellent for pickling and dessert; very productive. September.

Sheldon—Medium size, round, russet and red; melting, rich, very juicy, delicious; very productive; keeps well. October.

WINTER PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Beurre d'Anjou—A grand pear; large, handsome, buttery, melting, rich, yellow when ripe. The finest winter pear grown. Requires to hang late. October and January.

Lawrence—Medium size, golden yellow, melting, very rich. The finest early winter pear. November and December.

DWARF PEARS

40 cents each, \$4.00 a dozen, \$30.00 per hundred

Beurre d'Anjou—Early winter.

Duchesse—Late fall, fine.

Clapp's Favorite—Very early

Seckel—Extra fine quality.

CHERRIES---Sweet

50 each, \$5.00 a dozen, \$40.00 per hundred

Black Tartarian—Fruit large, heart shape, dark purple, tender, rich; very prolific. Tree upright, vigorous and healthy. The best early black cherry.

Napoleon—The largest size, yellow with red cheek. Very firm, juicy and sweet. Vigorous, upright tree; enormously productive. July.

DUKES AND MORELLOS---Sour

Early Richmond—Medium size, bright red, acid, very hardy and productive. Fruits very young. For cooking and market one of the best. June.

English Morello—Medium size, dark red, acid, late; dwarf. Very hardy; early bearer. July.

Large Montmorency—Fruit large, bright red, fine flavor; very hardy and immense bearer. Season a little later than Early Richmond.

PLUMS--European

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Fellemburg—(Italian Prune)—Very large, rich dark purple, flesh juicy and good, rather coarse, freestone; tree spreading, productive. September.

German Prune—Medium size, dark blue, juicy, rich. Tree upright, vigorous and productive. September.

Reine Claude—Large, yellowish green, juicy, melting, sugary, rich flavor. September.

AMERICAN

Bradshaw—Very large, purple; juicy, excellent quality. Tree erect and vigorous, productive. August.

Imperial Gage—Medium size, yellow, juicy, rich, delicious, productive, strong grower. August.

Lombard—Medium, violet red, juicy, pleasant and good. Immensely productive, hardy. August.

JAPANESE AND HYBRIDS

Abundance—Fruit large, showy and beautiful. Color amber, turning to a rich, bright cherry red, light perfumed. Flesh light yellow, juicy, tender and delicious; freestone. The tree is a strong upright grower, immensely productive. Season early.

Burbank—Fresh, yellow, firm, tender and very juicy, rich, sweet and aromatic. Very productive. Tree spreading and hardy. One of the best. Medium.

Wickson—Large, color carmine with a heavy white bloom; stone small; flesh fine, firm, sugary and delicious. Picked green, will ripen and color perfectly and keep two weeks or more after ripening, making it an excellent market plum. Tree upright grower and productive.

PEACHES

30 cents each, \$2.75 a dozen, \$15.00 per hundred

Champion—A white freestone, ripening about September 1st. Delicious, sweet, rich and juicy, skin creamy white with red cheek, strikingly handsome. It is hardy, productive, early, largest size and highest flavor.

Crawford's Early—Very large, yellow, rich, sweet, luscious; free. Sept.

Crawford's Late—Very hardy, large, yellow, rich, sweet; free. September.

Elberta—Among peaches Elberta takes the lead for beauty, size and quality. It is one of the *hardest*, as large or larger than Crawford's Early, and fully its equal in beauty and flavor. One of the finest yellow freestone peaches. Fruit yellow with red cheek; flesh yellow, juicy, and of good quality; ripens slightly later than Early Crawford.

Fitzgerald—A native seedling, as large or larger than Crawford; freestone, very best quality. A heavy bearer, fruiting very young, almost invariably the second year after planting. Hardy. Ripens just after Crawford's Early.

Greensboro—Larger and earlier than Crawford's Early, and nearly freestone. It is colored beautifully with crimson and has a yellowish cast; the flesh is white and of good flavor. The peach is large, many specimens measuring eight to nine inches in circumference. Productive.



SCHWEDLER'S MAPLE

The prices on all Trees include packing and delivery to express or freight office, but the purchaser is to pay the express or freight charges.

Not less than six trees at the dozen price.

ORNAMENTAL TREES

	Each.	Dozer.
Beech, Purple leaf	\$1 00	\$10 00
Birch, Cut-leaved Weeping	75	7 00
Catalpa, Speciosa	75	7 00
Catalpa, Bungei	1 00	10 00
Crab, Bechtel's Double-flowered (American)	75	7 00
Dogwood, White-flowering	75	7 00
Dogwood, Red-flowering	1 50	15 00
Elm, American White	85	8 00
Elm, Camperdown Weeping	1 00	10 00
Horse Chestnut	1 00	10 00
Judas Tree, or Red Bud (American)	1 00	10 00
Laburnum (Golden Chain)	75	7 00
Linden (American Basswood)	1 00	10 00
Linden (European)	75	7 00
Magnolia Acuminata	85	8 00
Magnolia Conspicua	1 75	19 00
Magnolia Lenne	1 75	19 00
Magnolia Soulangeana	1 75	19 00
Magnolia Speciosa	1 75	19 00
Maple, Ash-leaved	60	6 00
Maple, Norway	1 00	10 00
Maple, Schwedler's	1 50	15 00
Maple, Silver-leaved	60	6 00
Maple, Sugar	1 00	10 00
Maple, Weir's Cut-leaved	85	8 00
Maple, Japan	2 25	24 00
Maple, Japan Purple-leaf	2 25	24 00
Maple Blood-leaved	2 25	24 00
Mountain Ash, (European)	75	7 00
Mountain Ash, Oak-leaved	75	7 00
Mountain Ash, Weeping	1 00	10 00
Oak, Pin	1 25	13 00
Plum, Purple-leaf	75	7 00
Poplar, Carolina	65	6 00

EVERGREENS

Arbor-Vitæ (Thuja Occidentalis)	60	6 00
Arbor-Vitæ, Douglas' New Golden	1 00	10 00
Arbor-Vitæ, Pyramidalis	85	8 00
Juniper, Irish	75	7 00
Spruce, Colorado Blue, two feet	2 00	24 00
Spruce, Colorado Blue, 12 to 18 inches	1 50	18 00
Spruce, Norway	60	6 00

INSECTICIDES AND FUNGICIDES

Note—Liquids and poisonous powders cannot be sent by mail. Directions for using printed on each package.

Aphis Punk. A convenient form for fumigating. 12 rolls (1 box), 60 cents; one dozen boxes, (one case), \$6.50; charges not prepaid.

Bordeaux Mixture. (Liquid). For fungous diseases. Directions for using on can. Pint, 30 cts.; quart, 50 cts.; gal., \$1.50; charges not prepaid.

Bug Death. For potato bugs and blight; contains no arsenic; does not wash off. In comparative tests made on our farms last season Bug Death headed the list, not only as an insecticide, but kept the plants in a healthier condition and actually *increased the yield* over all others, while the potatoes when dug were healthier, contained more starch, and kept better than others. 1-lb. package, 15 cents; 3-lb. package, 35 cents; 5-lb. package, 50 cents; 12½-lb. package, \$1.00; 100-lb. keg, \$7.50; charges not prepaid.

Dalmatian Insect Powder. The true "Persian" insect powder, ¼ lb., 20 cents; ½ lb., 35 cents; lb., 55 cents; charges paid.

Dickey's Duster. For applying not only Bug Death but any other insecticide in powdered form, 35 cents each; charges not prepaid.

Fir Tree Oil. For all kinds of sucking insects, whether on root, stem or foliage, such as Green and Black Fly, Mealy Bug, Scale, Aphis, etc. Valuable also for animal parasites and insects. ½ pint, 40 cents; pint, 75 cents; qt., \$1.35; gal., \$5.00; charges not prepaid.

Hellebore. Pure and fresh; used largely for currant worms, etc Pound, 30 cents; charges not prepaid.

Kerosene Emulsion. For scale insects, aphids, etc. Quart, 50 cents; gal., \$1.00; charges not prepaid.

Nicofume. A tobacco-paper insecticide for fumigating only. Prices, small sizes (24 sheets), 75 cents; medium size (144 sheets), \$3.50; large size (288 sheets), \$6.50; charges not prepaid.

Nicofume Liquid. Pint, \$1.50; charges not prepaid.

Nicoticide. (Liquid). Can be used either for fumigating or spraying ¼ pint 70 cents; ½ pint \$1.25; pint, \$2.50; quart, \$4.50; ½ gallon \$8.50; 8 lbs. (1 gal.), \$15.00; charges not prepaid. Lamps, complete, 50 cts, postpaid

Nikoteen Kills the Bugs. A thorough exterminator of all injurious insects. Pint, \$1.50; charges not prepaid.

Slug Shot. Non-poisonous powder for Potato Bugs, Cabbage Lice and Worms, Currant Worms, etc. 5 lb. package, 30 cents; charges not prepaid.

Sulpho-Tobacco Soap. Used as a wash for roses, trees, and house plants. Very desirable for insects on animals. 3-oz. cake, 13 cents; 8-oz. cake, 30 cents; postage paid.

Tobacco Dust (The Black Stuff). Per lb., 25 cents; postage paid.

Vick's Excelsior Insect Exterminator. Will destroy Striped Bugs, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphis, Squash Bugs, Cockroaches, etc. This powder can be applied most thoroughly, economically, and quickly, by means of the bellows we have constructed for that purpose. 50 cents per pound, by mail. In lots of five pounds or over, 35 cents per pound by express at expense of the purchaser. Eight-inch Bellows, \$1.50. Twelve-inch Bellows, \$1.75. The Bellows can be sent only by express at expense of purchaser. For use in conservatories and for house plants we offer a small zinc Bellows, in two sizes. No. 1, with one ounce of Exterminator, 30 cents, postage paid. No. 2, with four ounces of Exterminator, 50 cents, postage paid.

Whale Oil Soap. Used as a wash for roses, trees, and plants affected with insects; ½ lb. box, 25 cents; 1 lb. box, 40 cents, postage paid. Special price on large quantities.

Miscellaneous Supplies

Bellows. For applying dry insecticides. Hand-made throughout from seasoned wood and best quality sheepskin. Eight-inch, \$1.50; 12 in., \$1.75. Charges not prepaid.

Dibbles. Used in transplanting, steel point. 35 cents each; 50 cents postpaid.

Grass Hooks or Sickles. Each, 40 cents; charges not prepaid.

Grass Shears. Best quality steel. 75 cents, postage not paid.

Grafting Wax. ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents, postpaid.

Garden Trowels. Solid steel, best grade only, 50 cents, postage paid.

Labels. Wooden; painted. Charges not prepaid.

3½ inch, pot, per 1000 . . . \$0.75	6 inch, pot, per 1000 . . . \$1.50
4 inch, pot, per 100090	8 inch, pot, per 1000 . . . 4.00
4½ inch, pot, per 1000 . . . 1.00	3½ inch, tree, copper wired perm 1.70
5 inch, pot, per 1000 . . . 1.25	5 inch, notched, per 1000 . . . 2.25

Mastica. For glazing work. A putty-like preparation. Sets quickly. Can be used in cold weather, and does not run or crack. Use in putty-bulb or machine. Gallon pails, each, \$1.35; machines, each, \$1.50; charges not prepaid.

Mole Traps (The Out O'Sight). It is not complicated, or easy to get out of order, easily set without danger to yourself, can be used in hotbeds, or without disturbing runway. Full explanation of habits of moles furnished with each trap. Price, \$1.25, by mail postage paid. By express \$1.00, express charges not prepaid.

Potting Soil. Especially prepared and sifted, per bu. 75 cents; bbl., \$1.75; charges not prepaid.

Putty Bulbs. For applying liquid putty, mastica, etc. Each, \$1.10, postpaid.

Pruning Shears. Charges not prepaid.

No. 1537—8-inch . . . \$0.65	6-inch, Nickle Plated . . . \$0.85
No. 1537—8½-inch . . . 85	10-inch, Wiss, genuine . . . 2.50
No. 1538—8½-inch . . . 1.00	9-inch, Wiss, genuine . . . 2.25

Raffia. For tying, per lb., 20 cents; 5 lbs., 80 cents; 10 lbs., \$1.50; charges not prepaid.

Syringes. Brass. Charges not prepaid.

No. A—12-inch barrel, 1-spray rose and jet.	\$2.75
No. 12—14-inch barrel, 2-spray rose and jet.	3.50
No. 11—16-inch barrel, 2-spray rose and jet.	5.00
No. 5—18-inch barrel, 2-spray rose and jet.	6.00

Sprinklers. Tyrian. Rubber, made with a perforated detachable top; valuable for window gardening, bouquet sprinkling, dampening clothes, etc.; postpaid.

6-ounce size, straight neck	\$0.75
6-ounce size, bent neck	85
8-ounce size, straight neck	90
8-ounce size, bent neck	1.10

Weeders. Claw, 25 cents; Hazeltine, 40 cents; Lang, 30 cents; Brown's Easy, short handled, 50 cents; postage paid.

Fertilizers

Pulverized Sheep Manure. This is a pure, natural, odorless fertilizer and the most nutritious food for all vegetable growth. The best for lawn, garden and greenhouse use. Its effect is immediate, lasting, and it can be applied without risk. Strewn over and dug into the soil it promotes a rapid, steady growth until maturity of the plants. For either flower or vegetable it makes the richest, safest and quickest liquid invigorator. On lawns its effect is readily apparent but if applied in spring or fall will achieve best results. Quantity to an acre one ton, 12 lb. to 300 square feet. 6 lbs., 35 cts.; 25 lbs., 75 cents; 50 lbs., \$1.25; 100 lbs., \$2.00; charges not prepaid.

Walker's Floral Fertilizer. A chemically correct flower food for house plants. Has no odor, and can be used dry or dissolved in water for sprinkling. Small size (feeds 25 plants six months), 25 cents; large size (feeds 25 plants for one year), 50 cents; postage paid.

Nitrate of Soda (Chili Saltpetre). The best and cheapest form of Nitrogen for plants. Highly concentrated and immediately available. Nothing like it to make plants grow. Price subject to market changes. 3 lbs., 30 cts.; 5 lbs., 50 cts.; 10 lbs., 75 cts.; 25 lbs., \$1.50; 100 lbs., \$4.00; charges not prepaid.

Pure Raw Bone Meal. 1 lb., 10 cents (by mail 25 cents); 5 lbs., 30 cents; 10 lbs., 50 cents; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; charges not prepaid.

Peruvian Guano. In 200 lb. bags only; per bag, \$5.00; per ton, \$40.00.

KNIVES BUDDING AND PRUNING

Budding. No. 7-8—1 blade, open, coco handle \$0.75
No. 419—2 blade, folding, ivory handle, superior steel . . . 1.25
No. 690—2 blade, folding, buffalo handle, ivory tip . . . 1.00
No. 919—1 blade, folding, ivory handle 1.35
No. 917—1 blade, folding, ivory handle, sheep's-foot blade . . 1.35
Pruning. No. 117—1 blade, folding, cocoa handle, round end80
No. 801—1 blade, folding, cocoa handle65
No. 923—1 blade, folding, stag handle 1.00
No. 928—1 blade, folding, stag handle 1.25

BASKET MAKING MATERIALS

Raffia. The inner skin of a palm found in Madagascar. Raffia is very strong and tough, but soft and flexible, which facts make it the only practical article for weaving into fancy baskets, boxes and mats. In its natural color it is a light straw, but for basket work various colors are used; our list is complete and embraces the following:

No. 3—Indian Red	No. 14—Sage Green	No. 8—Pink
No. 12—Light Orange	No. 17—Emerald Green	No. 10—Brown
No. 5—Yellow	No. 6—Dark Navy	No. 9—Black
No. 16—Bright Yellow	No. 7—Red	No. 13—Bright Green
—Christmas Red		

PRICES ON BASKET MATERIALS—Postage Paid

	OUNCE	¼ LB.	POUND
Raffia—Colored	See colors above	\$0.10	\$0.20
Raffia—Natural	10	15	40
Reeds—No. 1	15	30	1.00
No. 2	10	25	.85
No. 3	10	25	.85
No. 4	10	25	.80
No. 5	10	20	.75
No. 6	10	20	.65

Samples of Raffia and Reeds on application.

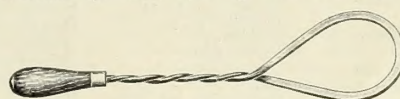
BOOKS ON BASKETRY

Basket-Making. By T. Vermette Morse. 32 pages, illustrated with 106 working designs. A condensed work valuable to the beginner. Postpaid 25 cents.

How to Make Baskets. By Mary White. 200 pages, cloth bound, finely illustrated with working designs and half-tone plates. The best work on the subject we have seen. Postpaid, \$1.10.

BROWN'S EASY WEEDER

This new idea as a weeding device has made itself an immediate favorite with growers everywhere. With it, a boy can do more and better work than two men with any other tool ever put on the market. Does not cut or destroy the roots of plants. Takes out all the weeds; its oval shape permitting the operator to weed behind the plants while standing in front. It works the surface to a fine mulch. It makes the hard places easy to reach. For working in ashes or commercial fertilizers, it has no equal. 50 cents each, by mail, postpaid.



"Victory" Lawn Mower

Ball Bearings. Easy to Operate.
The Best Mower Ever Built.

The adjustments of the "Victory" Lawn Mowers are the simplest, most perfect, and most positive. They cut within 1¼ inches of an obstruction. The cutter bars will stay on the ground and cut their full swath clean (other short-coupled mowers kick up behind in heavy grass). The mowers are well speeded, and bite small and frequent, leaving a beautiful velvety lawn. Ball bearings of the highest grade, exact to ¼ of .0000 of an inch, which reduces the friction astonishingly—even more in a mower than in a bicycle.

Ten-inch Wheel.		Four-Bladed Reels.		Ball Bearings.	
14-in.	16-in.	18-in.	20-in.	22-in.	24-in.
\$8.50	\$9.50	\$10.50	\$11.50	\$12.75	\$13.50

By Express or Freight, charges not prepaid

Catalogue of Fruit and Ornamental Trees

Send for our new catalogue of all the Standard varieties, as well as the best of the new things in Fruit Trees. The list has been compiled by an expert, and is worthy of your absolute confidence. Mailed free to any address.

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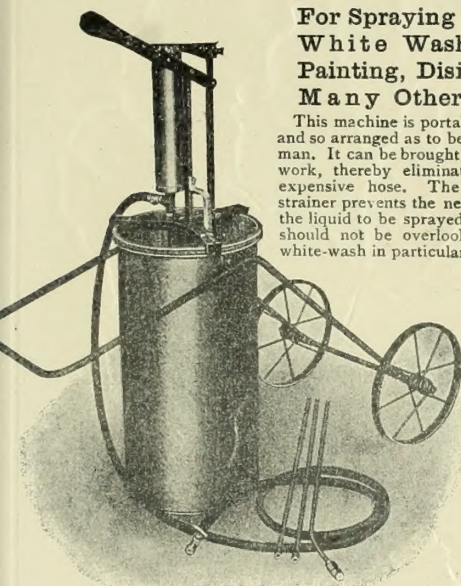
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JAMES VICK'S SONS.

You must Spray to get Good Crops

The Paragon Sprayer

For Spraying Trees, Vines, White Washing, Water Painting, Disinfecting, and Many Other Purposes.



This machine is portable, durably constructed and so arranged as to be easily operated by one man. It can be brought in close proximity to the work, thereby eliminating the use of a long expensive hose. The patented self-cleaning strainer prevents the necessity of first straining the liquid to be sprayed. This is a point that should not be overlooked, as straining liquid white-wash in particular is a slow and disagreeable task.

The spray nozzle has only a 1-32 inch outlet and spreads the liquid well, thereby covering a large surface with a small amount of liquid, making it a very economical sprayer. The spray will not clog as the strainer has very small openings through which the liquid must pass before entering pump. The strainer cannot clog because the agitator passes over opening in it with each stroke of pump, brushing off any dirt or grit that may have a tendency to choke it. The agitator also keeps the

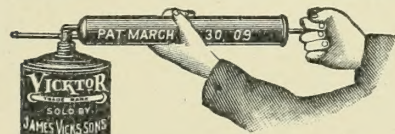
liquid thoroughly stirred while in use. All parts of the machine are made of the best materials obtainable. The hose is of the very best quality. The reservoir is made of heavy galvanized iron. All essential fittings and valves are made of brass, making it very strong and durable. The pipes are black wrought iron of good quality. The body of pump is cast iron, well ribbed to prevent breakage. The screen is of heavy perforated brass and will last many years. The pump frame can easily be removed from tank when it needs cleaning, and by running water through machine after using, the entire machinery can be easily and thoroughly cleaned.

White Washing. We wish to call particular attention to the usefulness of this machine for white washing and water painting. White walls and ceilings produce much light and cleanliness. White-wash is also a very good disinfectant. This machine is just the thing for whitening and disinfecting factories, shops, cellars, attics, stables, slaughter houses, dairy buildings, poultry houses, engine rooms, breweries, fences, blind walls, etc. The price is so low that anyone can possess one.

No. 3 (12 Gallons) Net Price \$15.00;

Equipment, 7½ feet Extension Pipe; 10 feet 5-ply Hose; 2 Spraying Nozzles. This machine is mounted on a strong steel frame and can easily be wheeled to any desired place. Nos. 1 and 3 can be furnished with all brass pumps for \$4.00 additional.

The Vicktor Hand Sprayer



The Best and Simplest Hand Sprayer on the Market Throws a Continuous Spray Reservoir and Pump of Brass

A simple and inexpensive Sprayer for all purposes. Reservoir holds one quart of solution. The spray is created by using a check valve which holds the air pressure in the reservoir. The pump can be unscrewed, so that the reservoir may be easily filled. The Vicktor Sprayer is made in two styles. All Brass, price, \$1.25 each. Special Tin, price, 75 cents each.

Auto-Spray No. 3-B

While primarily built for applying whitewash and cold water paint, it is also perfectly adapted as a general purpose sprayer for trees, plants, shrubs, vines, etc. The tank is made of either brass or galvanized iron, as ordered, and has a capacity of eight gallons solution. The pump and large air-chamber are made of heavy brass, and the pump is fitted with a special graphite packing which can be readily adjusted. The agitation is mechanical and effective.

We offer this machine as the best all-around size and equipment in lever handle high pressure pumps for small orchards and general work. It can be easily carried about, either by the handles or mounted on a wheelbarrow.

Each machine securely crated, and complete with eight feet of high-grade hose, eight feet of extension, stop cock and Vermorel nozzle. Shipping weight, 40 pounds.

Auto-Spray No. 3-B—Galvanized tank, complete. \$11.20

Auto-Spray No. 3-C—Brass tank complete. 13.20

Prices quoted f. o. b. express or freight office, Rochester.

The Auto Spray No. 1

Fully guaranteed. The only practical compressed air sprayer, and useful in the fullest variety of spraying. We recommend it for trees, vines, shrubs, up to five acres of field crops, disinfectants, and small white washing jobs.

There is no other sprayer which will do such a variety of work and do it so well.

The tank is furnished in either brass or galvanized iron as desired, and has a capacity of three gallons solution.

There are no screw or spun thread connections whatever in the construction of the machine, and even the pump is locked to the tank by means of a cam which can be removed or replaced by a simple twist of the wrist.

The pump is of heavy brass two inches in diameter, and two or possibly three pumpings will empty the tank under higher and more constant pressure than any other knapsack sprayer.

We recommend the brass tank, as it will not corrode; also the Auto Pop No. 1 Shut-off, automatic in action and operating a self-cleaning wire through the nozzle.

Each machine securely packed in a separate box; shipping weight 15 pounds.

Auto-Spray No. 1-A—Brass tank and stop cock. \$6.75

Auto-Spray No. 1-B—Brass tank with Auto Pop (Recommended). 7.65

Auto-Spray No. 1-C—Galvanized tank and stop cock. 4.50

Auto-Spray No. 1-D—Galvanized tank and Auto Pop. 5.40

Brass extension pipe, two feet.45

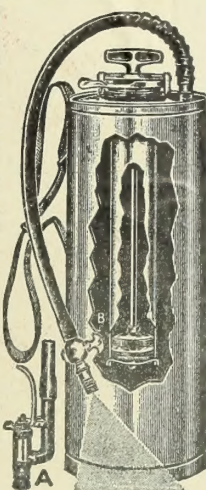
Galvanized extension pipe.35

Brass elbow extension.30

Brass strainer.90

Auto Pops, supplied separately. 1.15

All prices quoted f. o. b. express or freight office, Rochester.



PATENTED.

N. C. A. Non-Clog Automatic Nozzle

The most valuable nozzle on the market. Positively the only nozzle that will not clog, despite the claims of other manufacturers. Its good points will appeal to any practical orchardist. Can be adjusted by a simple mechanism to throw from a fine spray eighteen inches from the nozzle mouth, to a concentrated form throwing twenty feet. Has a capacity of two, three or four point Vermorel according to the disc used, each nozzle being furnished with four discs. A special feature is the patented screen through which the solution passes before entering the nozzle and absolutely prevents the possibility of clogging. Patent applied for. Net price, \$1.25. Also fitted with standard ¼ inch pipe thread.

The "Brandt" Sprayers

The "Brandt" has a patented device for maintaining an even and high pressure, which is absolutely necessary to obtain a satisfactory spray. One stroke will spray twenty hills of potatoes or same number of similar plants, therefore its labor-saving powers cannot be surpassed. Especially adapted for fast work.

Uses. Sprays Paris green, Bordeaux Mixture, Sulphate of iron for killing weeds, white arsenic, tobacco infusion, stock dip, and all other liquid applications; also used for white washing and disinfecting poultry houses, barns, cellars, etc.

The Tanks are made of heavy brass or galvanized steel and will not rust or corrode. Are tested with four times more pressure than used for spraying, and will not burst. Filler plug and connections are made of brass. The shoulder straps and body rest make it easy and convenient to carry. Capacity three gallons. Weight seven pounds.

The Pump has a brass air reservoir. In the plunger is a check valve for the air to pass through on return stroke, making it easy to operate and doubling its capacity.

The Nozzles are made on a new principle and work with a combination of liquid and air which produces more force with seven pounds of pressure than others do with 100 lbs.—giving a fine mist-like spray which is sent out with such force that clogging is impossible. The nozzle included with sprayer can be used for all ordinary purposes.

The Brass Double Nozzle sprays two rows at one time. The width between the rows is regulated by raising or lowering the pump. Price, \$1.50.

The Tree Nozzle works on the same principle as above nozzles, but has a three-foot brass extension for higher spraying. Price, \$1.50.

The No. 4 Bordeaux Nozzle is for all heavy solutions, like Bordeaux Mixture, whitewash, etc. It has larger openings, and is used on the large sprayers. Price, 75 cents.

The No. 2 Cap is for the same purpose, and is used on the double nozzle, and the tree nozzle. Price, 35 cents.

A One Quart Funnel with brass wire strainer accompanies sprayers for use in filling.

No. 2 "Brandt" Sprayer, Galvanized Tank and Shut off Nozzle. . . . \$5.00

No. 3 "Brandt" Sprayer, all Brass and Shut-off Nozzle. 6.75

Method of Operation. The pump is carried in the hands in a convenient position for operation and for directing the spray on the plants or vines. It is connected with the tank by two rubber tubes, one of which carries the air to the tank, the other delivers the liquid to the nozzle where it is mixed with air from the air reservoir on pump, and made into a finely beaded mist and delivered on the plants in a solid cone of spray.



Vick's
Masterpiece Mixture
Large-Flowering
Pansies

Packet 30 Cents
 $\frac{1}{8}$ ounce \$1⁰⁰
See Page 61

James Vick's Sons
Rochester, N. Y.